API Well Number: 43013506510000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☑

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER
GMBU K-2-9-15

2. TYPE OF WORK
DRILL NEW WELL ● REENTER P&A WELL ○ DEEPEN WELL ○

3. FIELD OR WILDCAT
MONUMENT BUTTE

4. TYPE OF WELL
Oil Well Coalbed Methane Well: NO

5. UNIT or COMMUNITIZATION AGREEMENT NAME
GMBU (GRRV)

6. NAME OF OPERATOR
NEWFIELD PRODUCTION COMPANY

7. OPERATOR PHONE
435 646-4825

8. ADDRESS OF OPERATOR
Rt 3 Box 3630 , Myton, UT, 84052

9. OPERATOR E-MAIL
mcrozier@newfield.com

10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)
ML-43538

11. MINERAL OWNERSHIP
FEDERAL ○ INDIAN ○ STATE ● FEE ○

12. SURFACE OWNERSHIP
FEDERAL ○ INDIAN ○ STATE ● FEE ○

13. NAME OF SURFACE OWNER (if box 12 = 'fee')

14. SURFACE OWNER PHONE (if box 12 = 'fee')

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')

16. SURFACE OWNER E-MAIL (if box 12 = 'fee')

17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')

18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS
YES ○ (Submit Commingling Application) NO ●

19. SLANT
VERTICAL ○ DIRECTIONAL ● HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1976 FNL 644 FEL	SENE	2	9.0 S	15.0 E	S
Top of Uppermost Producing Zone	2416 FNL 289 FEL	SENE	2	9.0 S	15.0 E	S
At Total Depth	2625 FSL 100 FEL	NESE	2	9.0 S	15.0 E	S

21. COUNTY
DUCHESNE

22. DISTANCE TO NEAREST LEASE LINE (Feet)
100

23. NUMBER OF ACRES IN DRILLING UNIT
20

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
1204

26. PROPOSED DEPTH
MD: 6418 TVD: 6418

27. ELEVATION - GROUND LEVEL
5967

28. BOND NUMBER
B001834

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
437478

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.625	0 - 350	24.0	J-55 ST&C	8.3	Class G	161	1.17	15.8
Prod	7.875	5.5	0 - 6418	15.5	J-55 LT&C	8.3	Premium Lite High Strength	305	3.26	11.0
							50/50 Poz	363	1.24	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☑ COMPLETE DRILLING PLAN
☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)
☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)
☑ TOPOGRAPHICAL MAP

NAME Mandie Crozier **TITLE** Regulatory Tech **PHONE** 435 646-4825

SIGNATURE **DATE** 03/17/2011 **EMAIL** mcrozier@newfield.com

API NUMBER ASSIGNED
43013506510000

APPROVAL
Permit Manager

RECEIVED: May. 04, 2011

NEWFIELD PRODUCTION COMPANY
GMBU K-2-9-15
AT SURFACE: SE/NE SECTION 2, T9S, R15E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1670'
Green River	1670'
Wasatch	6270'
Proposed TD	6418'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 1670' – 6270'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO_3) (mg/l)
Dissolved Bicarbonate ($NaHCO_3$) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO_4) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

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4. *PROPOSED CASING PROGRAM*

a. Casing Design: GMBU K-2-9-15

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	350'	24.0	J-55	STC	2,950 15.02	1,370 12.30	244,000 29.05
Prod casing 5-1/2"	0'	6,418'	15.5	J-55	LTC	4,810 2.36	4,040 1.98	217,000 2.18

Assumptions:
1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
2) Prod casing MASP (production mode) = Pore pressure – gas gradient
3) All collapse calculations assume fully evacuated casing w/ gas gradient
4) All tension calculations assume air weight

Frac gradient at surface casing shoe =	13.0 ppg
Pore pressure at surface casing shoe =	8.33 ppg
Pore pressure at prod casing shoe =	8.33 ppg
Gas gradient =	0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. Cementing Design: GMBU K-2-9-15

Job	Fill	Description	Sacks ft^3	OH Excess*	Weight (ppg)	Yield (ft^3/sk)
Surface casing	350'	Class G w/ 2% CaCl	161 188	30%	15.8	1.17
Prod casing Lead	4,418'	Prem Lite II w/ 10% gel + 3% KCl	305 995	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

*Actual volume pumped will be 15% over the caliper log
- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operator's minimum specifications for pressure control equipment are as follows:

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An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ±350 feet will be drilled with an air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ±350 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +-. A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

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10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the second quarter of 2011, and take approximately seven (7) days from spud to rig release.

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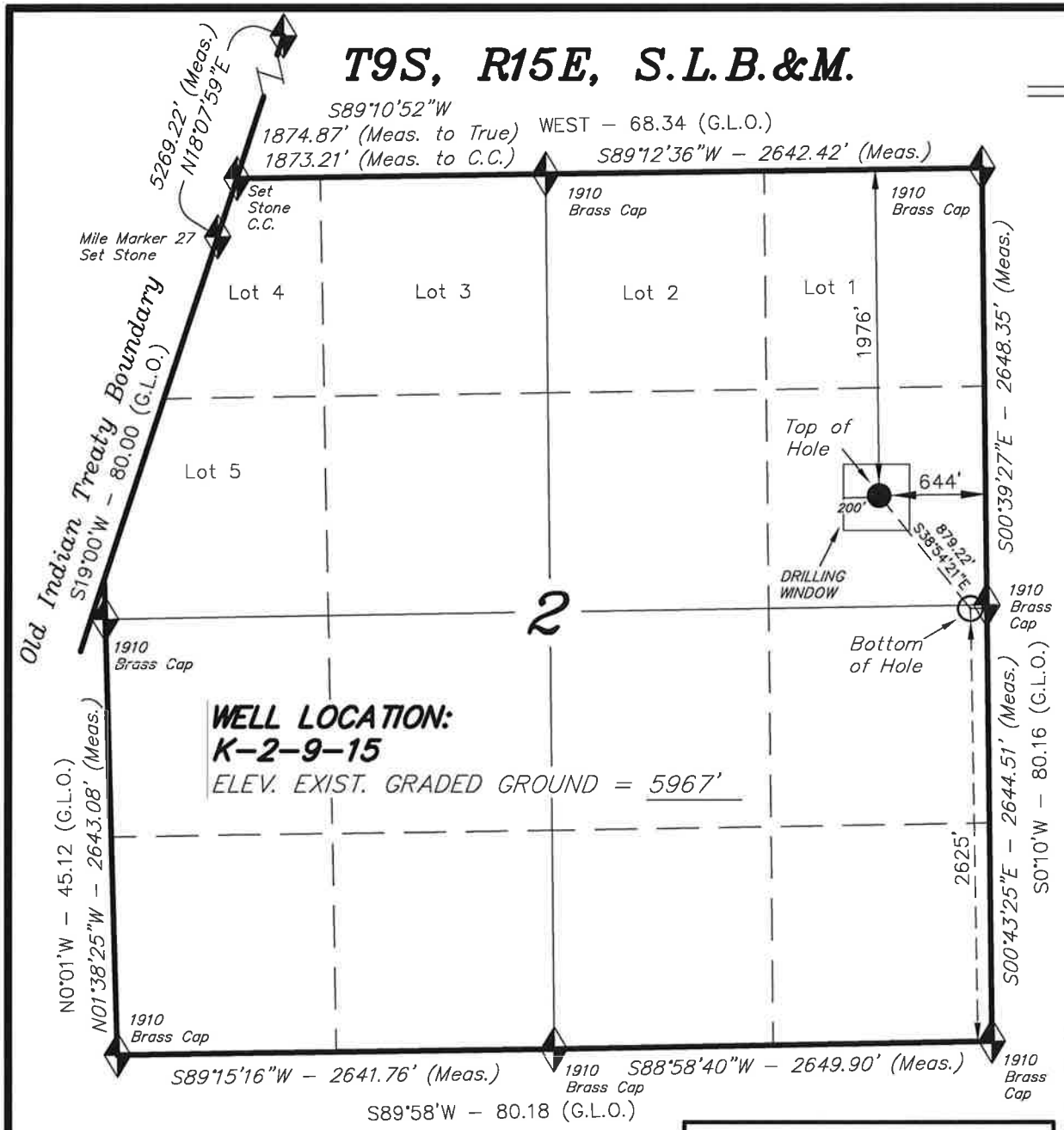
API Well Number: 43013506510000

T9S, R15E, S.L.B.&M.



NEWFIELD EXPLORATION COMPANY

WELL LOCATION, K-2-9-15, LOCATED AS SHOWN IN THE SE 1/4 NE 1/4 OF SECTION 2, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, K-2-9-15, LOCATED AS SHOWN IN THE NE 1/4 SE 1/4 OF SECTION 2, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

1000' 500' 0' 1000'

BAR SCALE

N

NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Bottom of Hole footages are 2625' FSL & 100' FEL.

◆ = SECTION CORNERS LOCATED

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR No. 189377 STATE OF UTAH

STACY W. STEWART

REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

03-07-11

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

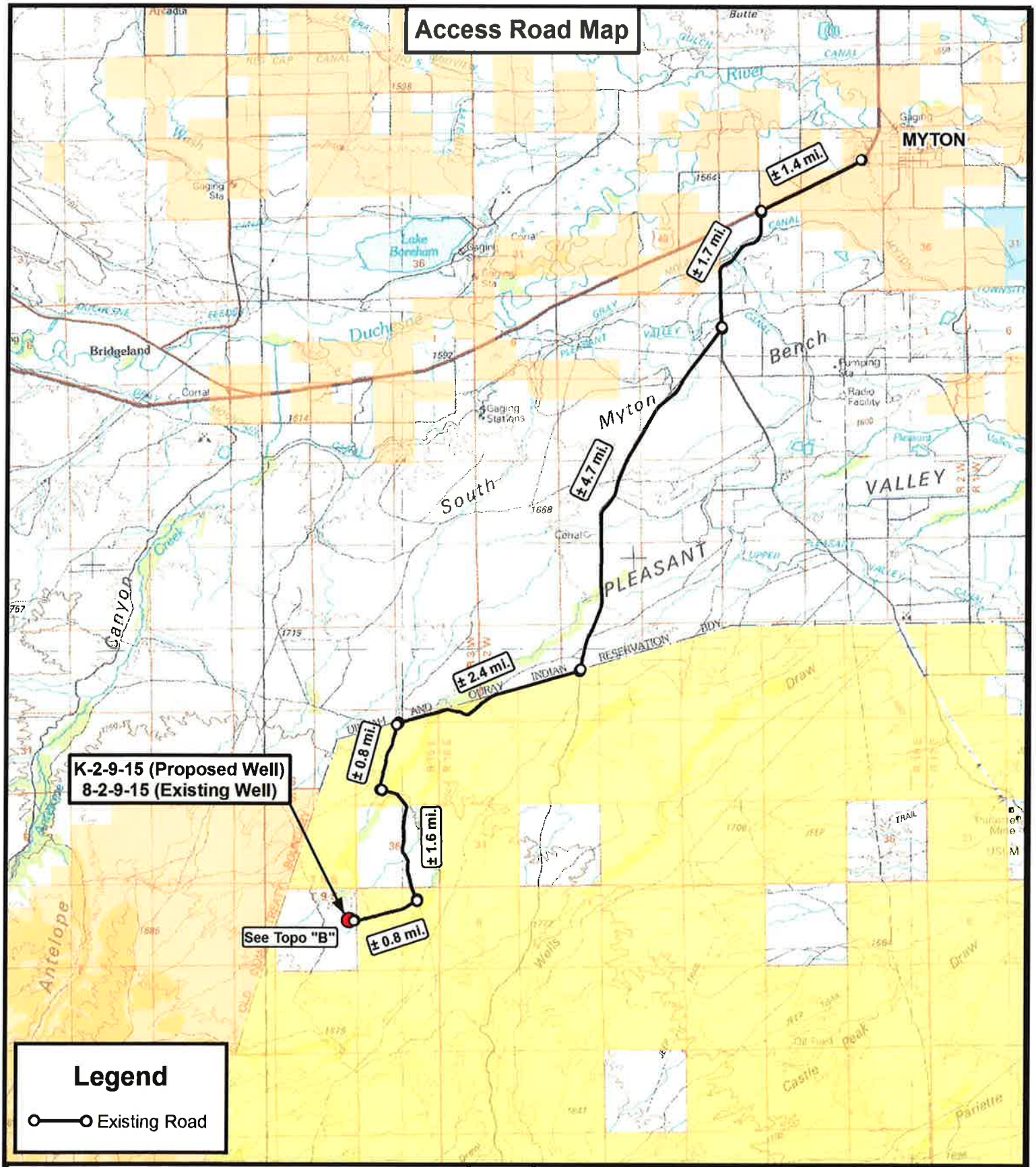
K-2-9-15
(Surface Location) NAD 83
LATITUDE = 40° 03' 42.44"
LONGITUDE = 110° 11' 32.03"

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 03-06-11	SURVEYED BY: S.V.
DATE DRAWN: 03-04-11	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

RECEIVED: Mar. 17, 2011

API Well Number: 43013506510000



Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

K-2-9-15 (Proposed Well)
8-2-9-15 (Existing Well)
SEC. 2, T9S, R15E, S.L.B.&M.
Duchesne County, UT.

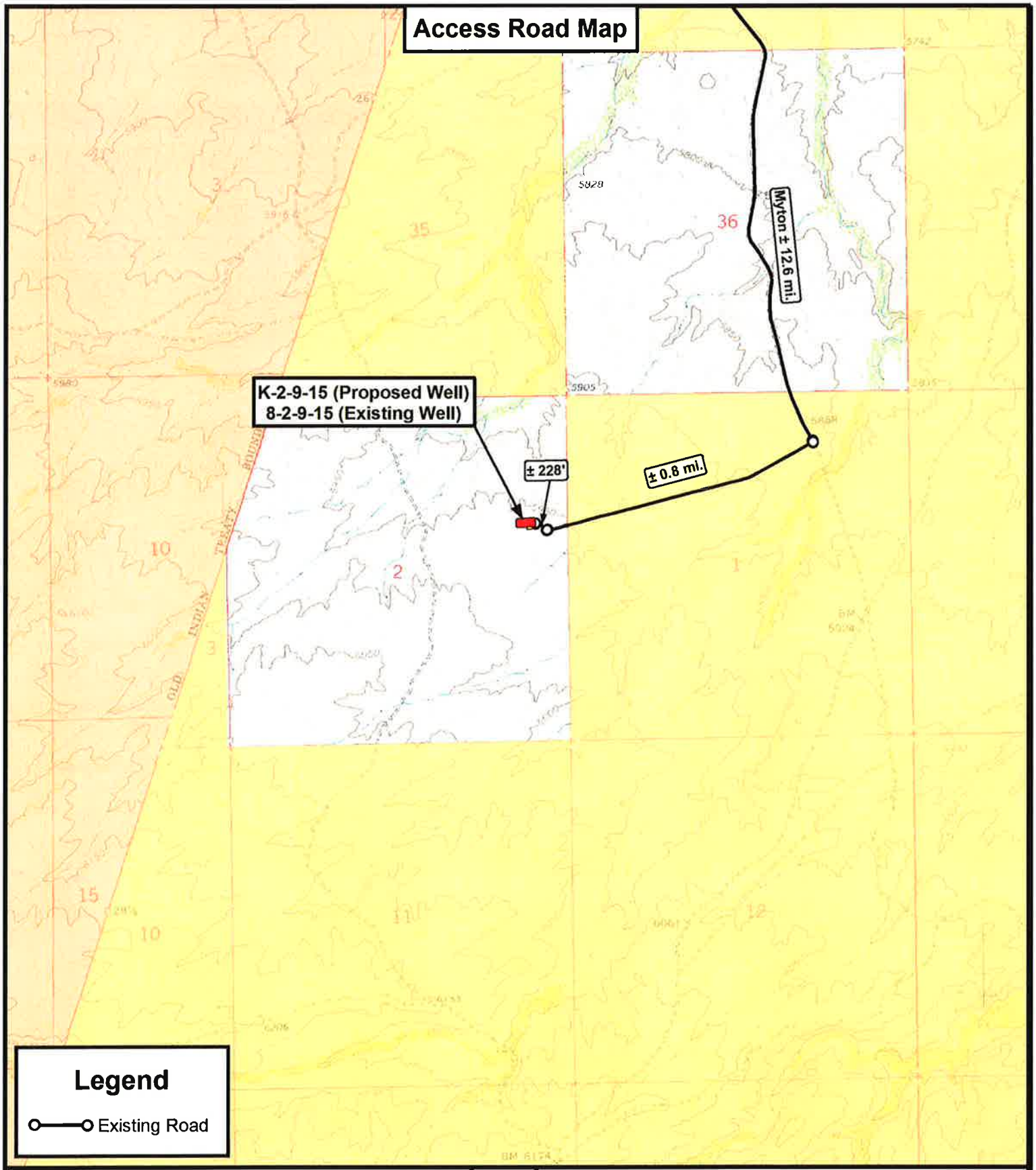
DRAWN BY:	J.A.S.
DATE:	03-07-2011
SCALE:	1:100,000

TOPOGRAPHIC MAP

SHEET A

RECEIVED: Mar. 17, 2011

API Well Number: 43013506510000



Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
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N

NEWFIELD EXPLORATION COMPANY
K-2-9-15 (Proposed Well)
8-2-9-15 (Existing Well)
SEC. 2, T9S, R15E, S.L.B.&M.
Duchesne County, UT.

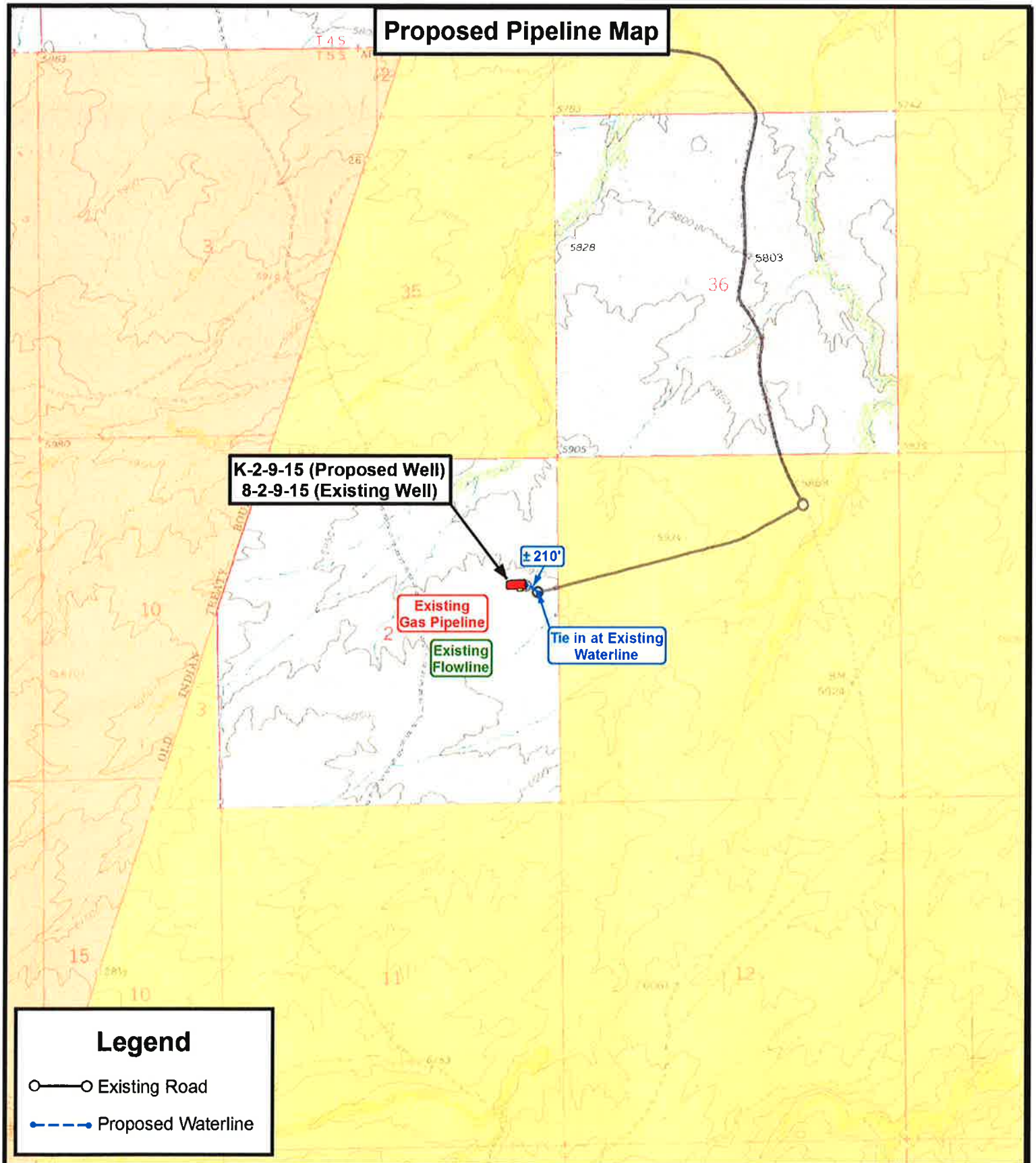
DRAWN BY:	J.A.S.
DATE:	03-07-2011
SCALE:	1 " = 2,000 '

TOPOGRAPHIC MAP

SHEET
B

RECEIVED: Mar. 17, 2011

API Well Number: 43013506510000



Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

K-2-9-15 (Proposed Well)
8-2-9-15 (Existing Well)
SEC. 2, T9S, R15E, S.L.B.&M.
Duchesne County, UT.

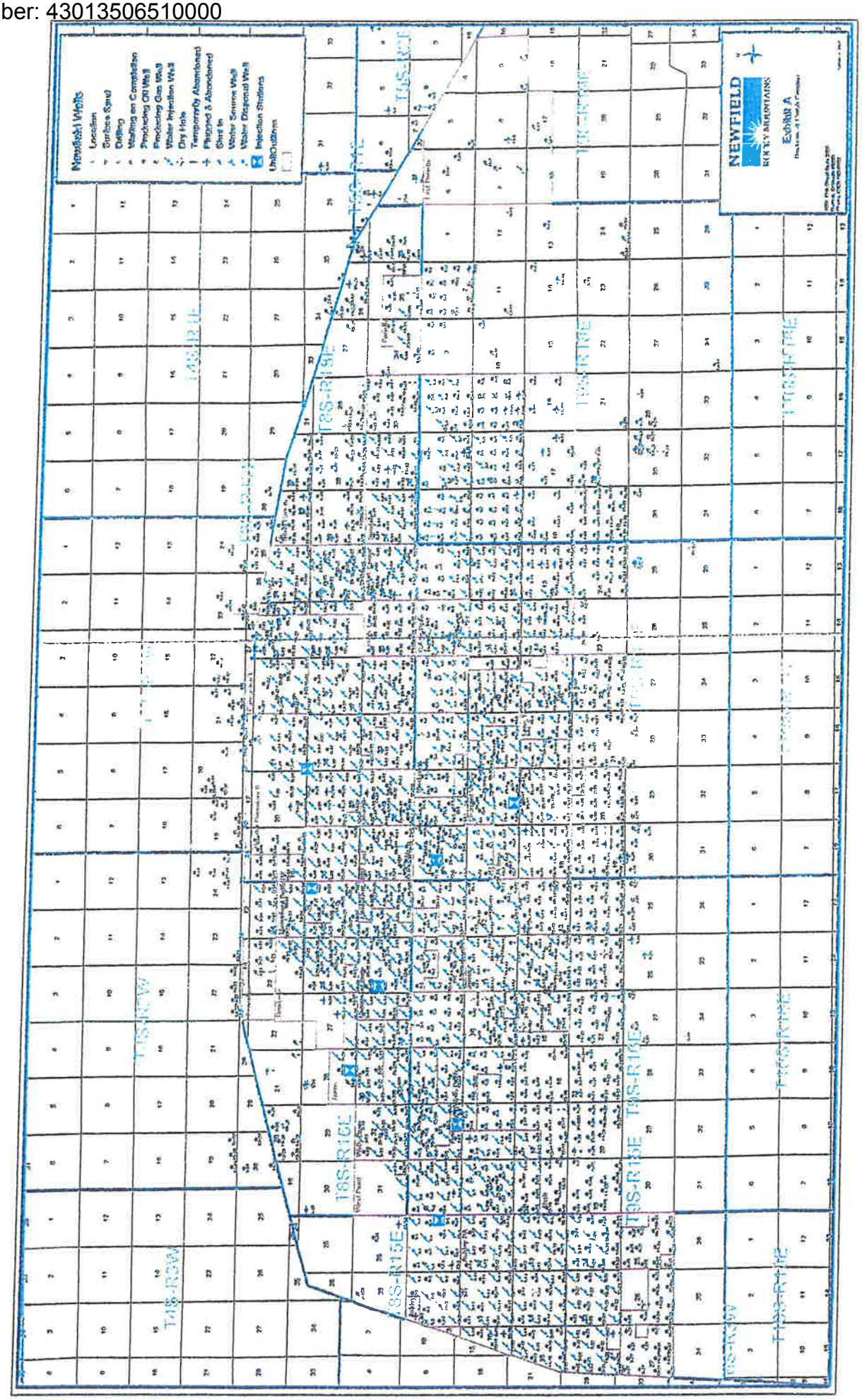
DRAWN BY:	J.A.S.
DATE:	03-07-2011
SCALE:	1 " = 2,000 '

TOPOGRAPHIC MAP

SHEET C

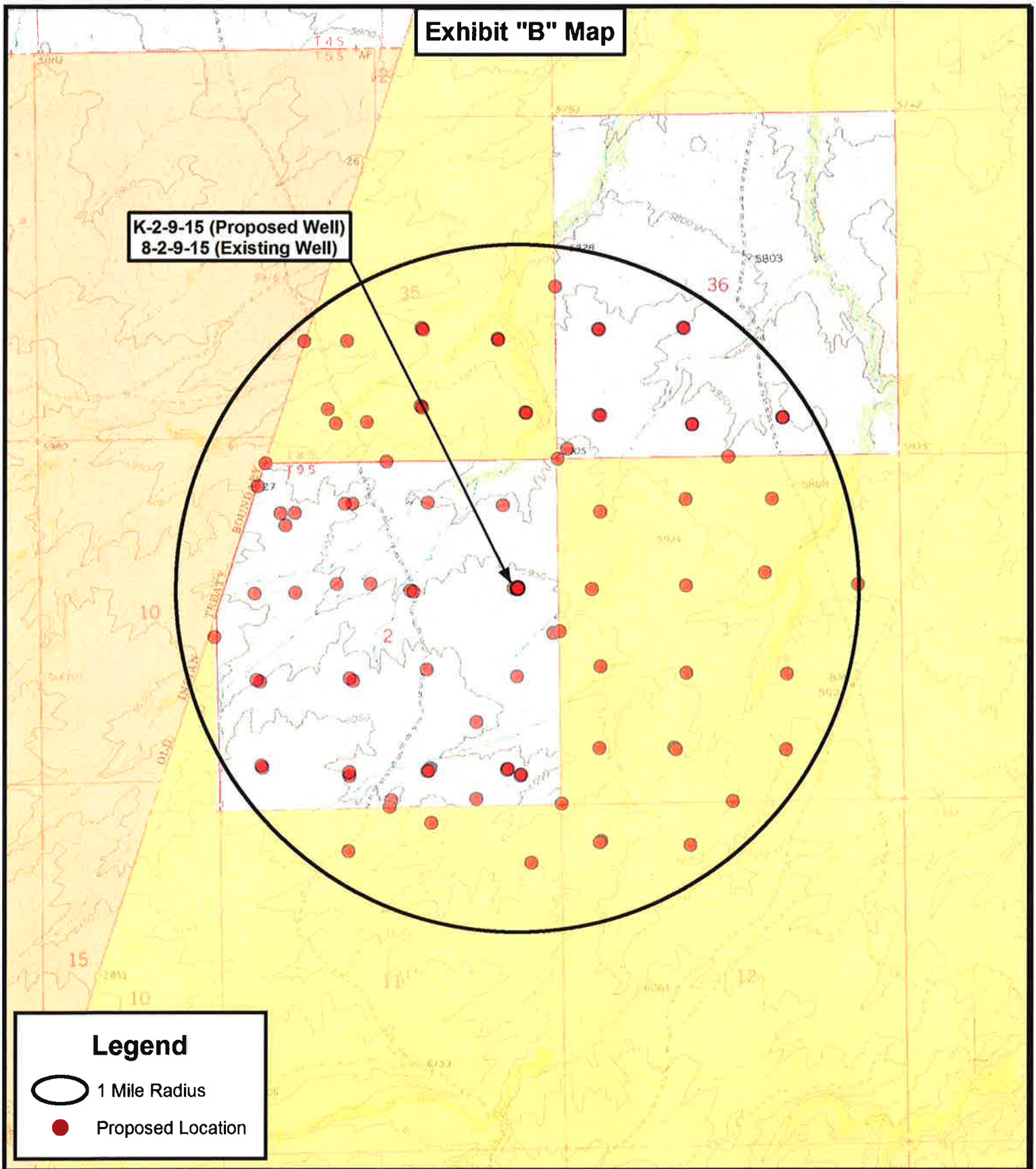
RECEIVED: Mar. 17, 2011

API Well Number: 43013506510000



RECEIVED: Mar. 17, 2011

API Well Number: 43013506510000



Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

K-2-9-15 (Proposed Well)
8-2-9-15 (Existing Well)
SEC. 2, T9S, R15E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	J.A.S.
DATE:	03-07-2011
SCALE:	1 " = 2,000 '

TOPOGRAPHIC MAP

SHEET **D**

RECEIVED: Mar. 17, 2011

NEWFIELD

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 2 T9, R15
K-2-9-15

Wellbore #1

Plan: Design #1

Standard Planning Report

15 March, 2011

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NEWFIELD

PayZone Directional Services, LLC.

Planning Report

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well K-2-9-15
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	K-2-9-15 @ 5979.0ft (Newfield Rig)
Project:	USGS Myton SW (UT)	**MD Reference:**	K-2-9-15 @ 5979.0ft (Newfield Rig)
Site:	SECTION 2 T9, R15	**North Reference:**	Grid
Well:	K-2-9-15	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 2 T9, R15				
Site Position:		**Northing:**	7,191,145.41 ft	**Latitude:**	40° 3' 15.350 N
From:	Lat/Long	**Easting:**	2,005,088.49 ft	**Longitude:**	110° 11' 49.770 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.83 °

Well	K-2-9-15, SHL LAT: 40 03 42.44 LONG: -110 11 32.03				
Well Position	**+N/-S**	2,760.9 ft	**Northing:**	7,193,906.26 ft	**Latitude:**	40° 3' 42.440 N
	+E/-W	1,339.1 ft	**Easting:**	2,006,427.62 ft	**Longitude:**	110° 11' 32.030 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	5,979.0 ft	**Ground Level:**	5,967.0 ft

Wellbore	Wellbore #1				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	2011/03/15	11.40	65.79	52,282

Design	Design #1				
Audit Notes:					
Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**	
	5,100.0	0.0	0.0	141.09	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,407.9	12.12	141.09	1,401.9	-66.2	53.5	1.50	1.50	0.00	141.09	
5,190.3	12.12	141.09	5,100.0	-684.2	552.2	0.00	0.00	0.00	0.00	K-2-9-15 TGT
6,417.7	12.12	141.09	6,300.0	-884.7	714.1	0.00	0.00	0.00	0.00	

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NEWFIELD

PayZone Directional Services, LLC.

Planning Report

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well K-2-9-15
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	K-2-9-15 @ 5979.0ft (Newfield Rig)
Project:	USGS Myton SW (UT)	**MD Reference:**	K-2-9-15 @ 5979.0ft (Newfield Rig)
Site:	SECTION 2 T9, R15	**North Reference:**	Grid
Well:	K-2-9-15	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	141.09	700.0	-1.0	0.8	1.3	1.50	1.50	0.00
800.0	3.00	141.09	799.9	-4.1	3.3	5.2	1.50	1.50	0.00
900.0	4.50	141.09	899.7	-9.2	7.4	11.8	1.50	1.50	0.00
1,000.0	6.00	141.09	999.3	-16.3	13.1	20.9	1.50	1.50	0.00
1,100.0	7.50	141.09	1,098.6	-25.4	20.5	32.7	1.50	1.50	0.00
1,200.0	9.00	141.09	1,197.5	-36.6	29.5	47.0	1.50	1.50	0.00
1,300.0	10.50	141.09	1,296.1	-49.8	40.2	64.0	1.50	1.50	0.00
1,407.9	12.12	141.09	1,401.9	-66.2	53.5	85.1	1.50	1.50	0.00
1,500.0	12.12	141.09	1,491.9	-81.3	65.6	104.5	0.00	0.00	0.00
1,600.0	12.12	141.09	1,589.7	-97.6	78.8	125.5	0.00	0.00	0.00
1,700.0	12.12	141.09	1,687.5	-114.0	92.0	146.4	0.00	0.00	0.00
1,800.0	12.12	141.09	1,785.3	-130.3	105.2	167.4	0.00	0.00	0.00
1,900.0	12.12	141.09	1,883.0	-146.6	118.4	188.4	0.00	0.00	0.00
2,000.0	12.12	141.09	1,980.8	-163.0	131.5	209.4	0.00	0.00	0.00
2,100.0	12.12	141.09	2,078.6	-179.3	144.7	230.4	0.00	0.00	0.00
2,200.0	12.12	141.09	2,176.3	-195.6	157.9	251.4	0.00	0.00	0.00
2,300.0	12.12	141.09	2,274.1	-212.0	171.1	272.4	0.00	0.00	0.00
2,400.0	12.12	141.09	2,371.9	-228.3	184.3	293.4	0.00	0.00	0.00
2,500.0	12.12	141.09	2,469.7	-244.6	197.5	314.4	0.00	0.00	0.00
2,600.0	12.12	141.09	2,567.4	-261.0	210.7	335.4	0.00	0.00	0.00
2,700.0	12.12	141.09	2,665.2	-277.3	223.8	356.4	0.00	0.00	0.00
2,800.0	12.12	141.09	2,763.0	-293.7	237.0	377.4	0.00	0.00	0.00
2,900.0	12.12	141.09	2,860.7	-310.0	250.2	398.4	0.00	0.00	0.00
3,000.0	12.12	141.09	2,958.5	-326.3	263.4	419.4	0.00	0.00	0.00
3,100.0	12.12	141.09	3,056.3	-342.7	276.6	440.4	0.00	0.00	0.00
3,200.0	12.12	141.09	3,154.0	-359.0	289.8	461.4	0.00	0.00	0.00
3,300.0	12.12	141.09	3,251.8	-375.3	303.0	482.4	0.00	0.00	0.00
3,400.0	12.12	141.09	3,349.6	-391.7	316.2	503.4	0.00	0.00	0.00
3,500.0	12.12	141.09	3,447.4	-408.0	329.3	524.3	0.00	0.00	0.00
3,600.0	12.12	141.09	3,545.1	-424.3	342.5	545.3	0.00	0.00	0.00
3,700.0	12.12	141.09	3,642.9	-440.7	355.7	566.3	0.00	0.00	0.00
3,800.0	12.12	141.09	3,740.7	-457.0	368.9	587.3	0.00	0.00	0.00
3,900.0	12.12	141.09	3,838.4	-473.4	382.1	608.3	0.00	0.00	0.00
4,000.0	12.12	141.09	3,936.2	-489.7	395.3	629.3	0.00	0.00	0.00
4,100.0	12.12	141.09	4,034.0	-506.0	408.5	650.3	0.00	0.00	0.00
4,200.0	12.12	141.09	4,131.8	-522.4	421.6	671.3	0.00	0.00	0.00
4,300.0	12.12	141.09	4,229.5	-538.7	434.8	692.3	0.00	0.00	0.00
4,400.0	12.12	141.09	4,327.3	-555.0	448.0	713.3	0.00	0.00	0.00
4,500.0	12.12	141.09	4,425.1	-571.4	461.2	734.3	0.00	0.00	0.00
4,600.0	12.12	141.09	4,522.8	-587.7	474.4	755.3	0.00	0.00	0.00
4,700.0	12.12	141.09	4,620.6	-604.1	487.6	776.3	0.00	0.00	0.00
4,800.0	12.12	141.09	4,718.4	-620.4	500.8	797.3	0.00	0.00	0.00
4,900.0	12.12	141.09	4,816.2	-636.7	514.0	818.3	0.00	0.00	0.00
5,000.0	12.12	141.09	4,913.9	-653.1	527.1	839.3	0.00	0.00	0.00
5,100.0	12.12	141.09	5,011.7	-669.4	540.3	860.3	0.00	0.00	0.00
5,190.3	12.12	141.09	5,100.0	-684.2	552.2	879.2	0.00	0.00	0.00
K-2-9-15 TGT									

NEWFIELD

PayZone Directional Services, LLC.

Planning Report

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well K-2-9-15
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	K-2-9-15 @ 5979.0ft (Newfield Rig)
Project:	USGS Myton SW (UT)	**MD Reference:**	K-2-9-15 @ 5979.0ft (Newfield Rig)
Site:	SECTION 2 T9, R15	**North Reference:**	Grid
Well:	K-2-9-15	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.0	12.12	141.09	5,109.5	-685.7	553.5	881.3	0.00	0.00	0.00
5,300.0	12.12	141.09	5,207.2	-702.1	566.7	902.2	0.00	0.00	0.00
5,400.0	12.12	141.09	5,305.0	-718.4	579.9	923.2	0.00	0.00	0.00
5,500.0	12.12	141.09	5,402.8	-734.7	593.1	944.2	0.00	0.00	0.00
5,600.0	12.12	141.09	5,500.6	-751.1	606.3	965.2	0.00	0.00	0.00
5,700.0	12.12	141.09	5,598.3	-767.4	619.4	986.2	0.00	0.00	0.00
5,800.0	12.12	141.09	5,696.1	-783.8	632.6	1,007.2	0.00	0.00	0.00
5,900.0	12.12	141.09	5,793.9	-800.1	645.8	1,028.2	0.00	0.00	0.00
6,000.0	12.12	141.09	5,891.6	-816.4	659.0	1,049.2	0.00	0.00	0.00
6,100.0	12.12	141.09	5,989.4	-832.8	672.2	1,070.2	0.00	0.00	0.00
6,200.0	12.12	141.09	6,087.2	-849.1	685.4	1,091.2	0.00	0.00	0.00
6,300.0	12.12	141.09	6,185.0	-865.4	698.6	1,112.2	0.00	0.00	0.00
6,400.0	12.12	141.09	6,282.7	-881.8	711.8	1,133.2	0.00	0.00	0.00
6,417.7	12.12	141.09	6,300.0	-884.7	714.1	1,136.9	0.00	0.00	0.00

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API Well Number: 43013506510000

NEWFIELD

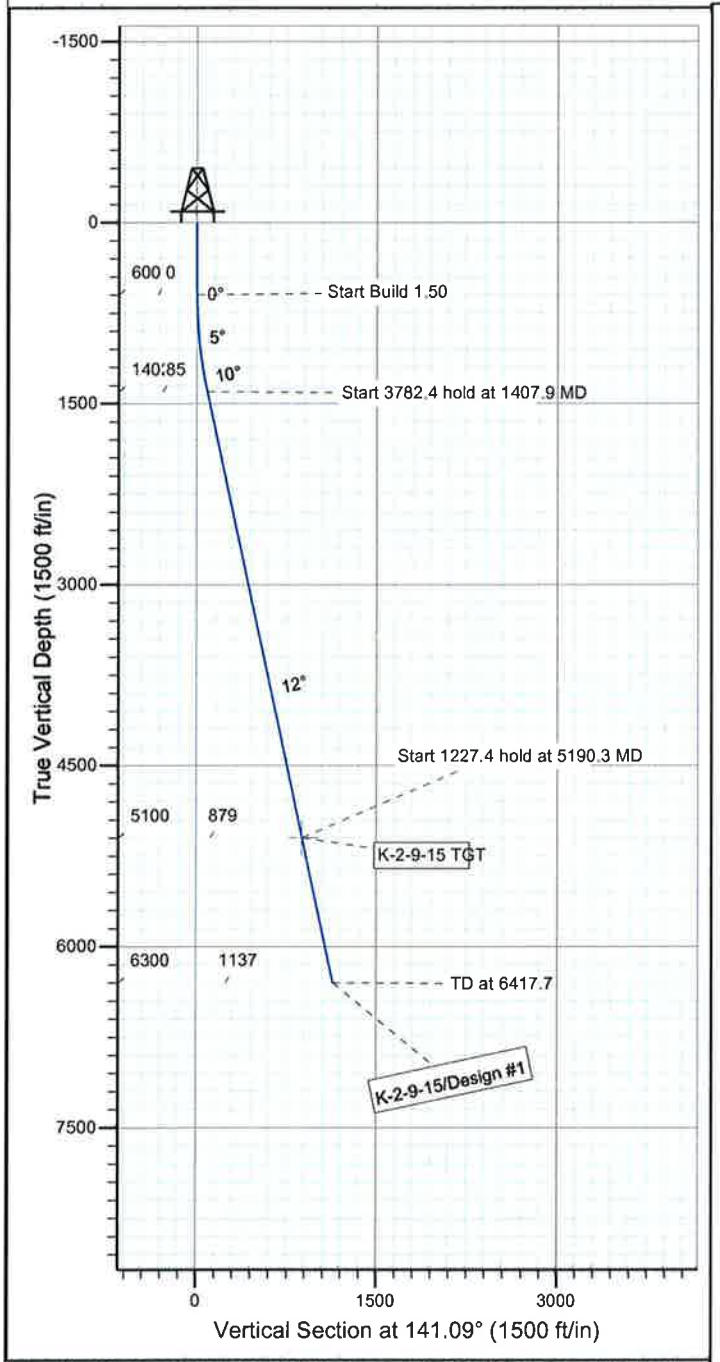
Project: USGS Myton SW (UT)
Site: SECTION 2 T9, R15
Well: K-2-9-15
Wellbore: Wellbore #1
Design: Design #1

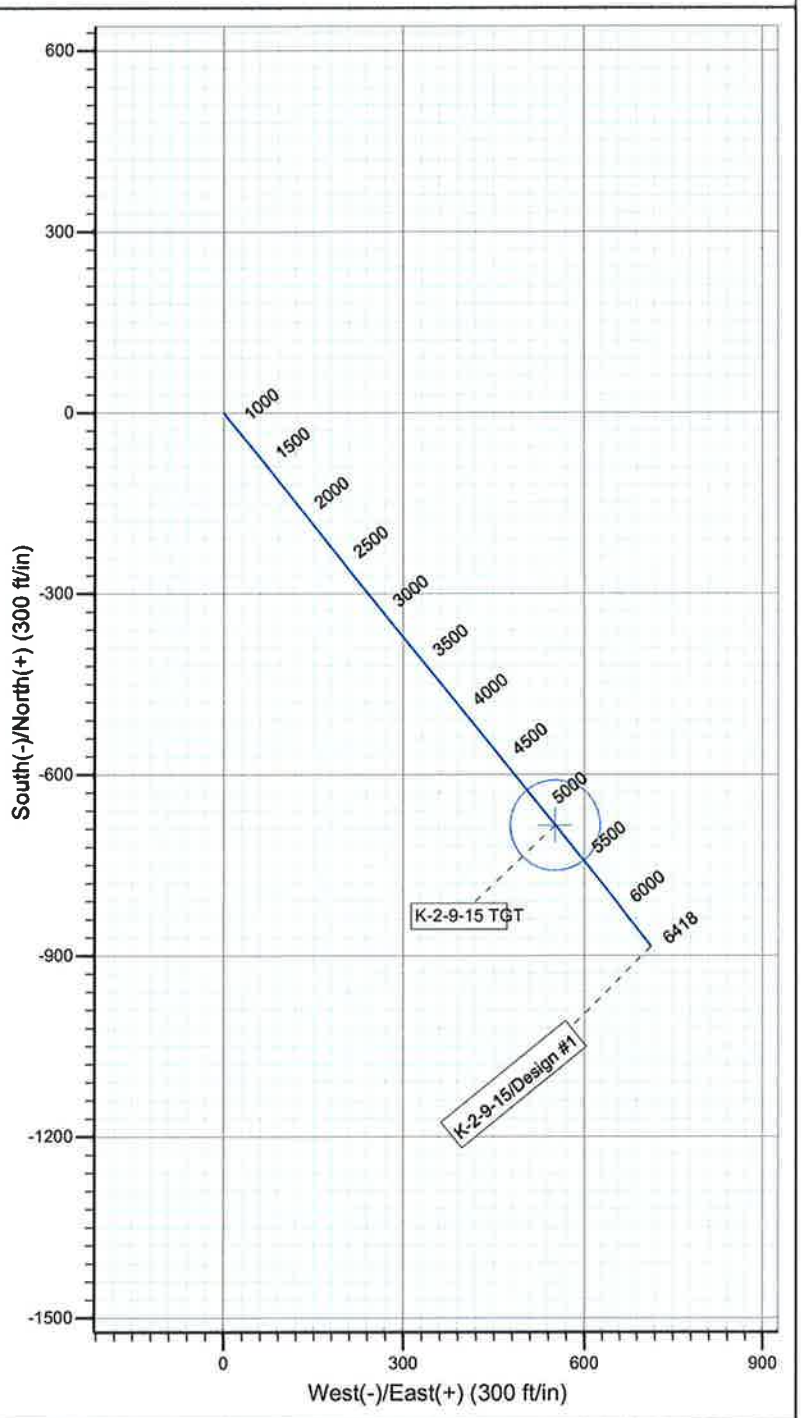
T G M

Azimuths to Grid North
True North: -0.84°
Magnetic North: 10.56°

Magnetic Field
Strength: 52282.3snT
Dip Angle: 65.79°
Date: 2011/03/15
Model: IGRF2010

KOP @ 600'
DOGLEG RATE 1.5 DEG/100
TARGET RADIUS IS 75'





WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
K-2-9-15 TGT	5100.0	-684.2	552.2	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1407.9	12.12	141.09	1401.9	-66.2	53.5	1.50	141.09	85.1	
4	5190.3	12.12	141.09	5100.0	-684.2	552.2	0.00	0.00	879.2	K-2-9-15 TGT
5	6417.7	12.12	141.09	6300.0	-884.7	714.1	0.00	0.00	1136.9	

PAYZONE DIRECTIONAL

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NEWFIELD PRODUCTION COMPANY
GMBU K-2-9-15
AT SURFACE: SE/NE SECTION 2, T9S, R15E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. *EXISTING ROADS*

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU K-2-9-15 located in the SE 1/4 NE 1/4 Section 2, T9S, R15E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed southwesterly – 6.4 miles ± to it's junction with an existing road to the southwest; proceed southwesterly – 2.4 miles ± to it's junction with an existing road to the southwest; proceed southwesterly – 0.8 miles ± to it's junction with an existing road to the southeast; proceed southeasterly – 1.6 miles ± to it's junction with an existing road to the southwest; proceed southwesterly – 0.8 miles ± to the existing 8-2-9-15 well pad.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

2. *PLANNED ACCESS ROAD*

There is no proposed access road for this location. The proposed well will be drilled directionaly off of the existing 8-2-9-15 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. *LOCATION OF EXISTING WELLS*

Refer to Exhibit "B".

4. *LOCATION OF EXISTING AND/OR PROPOSED FACILITIES*

There are no existing facilities that will be used by this well.

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It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. ***LOCATION AND TYPE OF WATER SUPPLY***

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District
Water Right : 43-10136

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

Newfield Collector Well
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. ***SOURCE OF CONSTRUCTION MATERIALS***

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. ***METHODS FOR HANDLING WASTE DISPOSAL***

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

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8. ***ANCILLARY FACILITIES***

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. ***WELL SITE LAYOUT***

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.

b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.

c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times

d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.

e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE**:

a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. ***SURFACE OWNERSHIP*** – State of Utah.

11. ***OTHER ADDITIONAL INFORMATION :***

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The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #02-135, 12/17/02. Paleontological Resource Survey prepared by, Wade Miller, 9/25/02. See attached report cover pages, Exhibit "D".

Newfield Production Company requests 210' of buried water line to be granted . It is proposed that the disturbed area will be 30' wide to allow for construction of the proposed buried 10" steel water injection line and a buried 3" poly water return line. The proposed buried water lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** The proposed water pipelines will be buried in a 4-5' deep trench constructed with a trencher or backhoe for the length of the proposal. The equipment will run on the surface and not be flat bladed to minimize surface impacts to precious topsoil in these High Desert environments. If possible, all proposed surface gas pipelines will be installed on the same side of the road as existing gas lines. The construction phase of the proposed water lines will last approximately (5) days.

In the event that the proposed well is converted to a water injection well, a Sundry Notice form will be applied for through the State of Utah DOGM office.

a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.

b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.

c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities

Water Disposal

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the GMBU K-2-9-15, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU K-2-9-15, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. **LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:**

Representative

Name: Tim Eaton

Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052

Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #K-2-9-15, Section 2, Township 9S, Range 15E: Lease ML-43538 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #B001834.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

3/17/11
Date

Mandie Crozier
Regulatory Specialist
Newfield Production Company

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API Well Number: 43013506510000

2-M SYSTEM

Blowout Prevention Equipment Systems

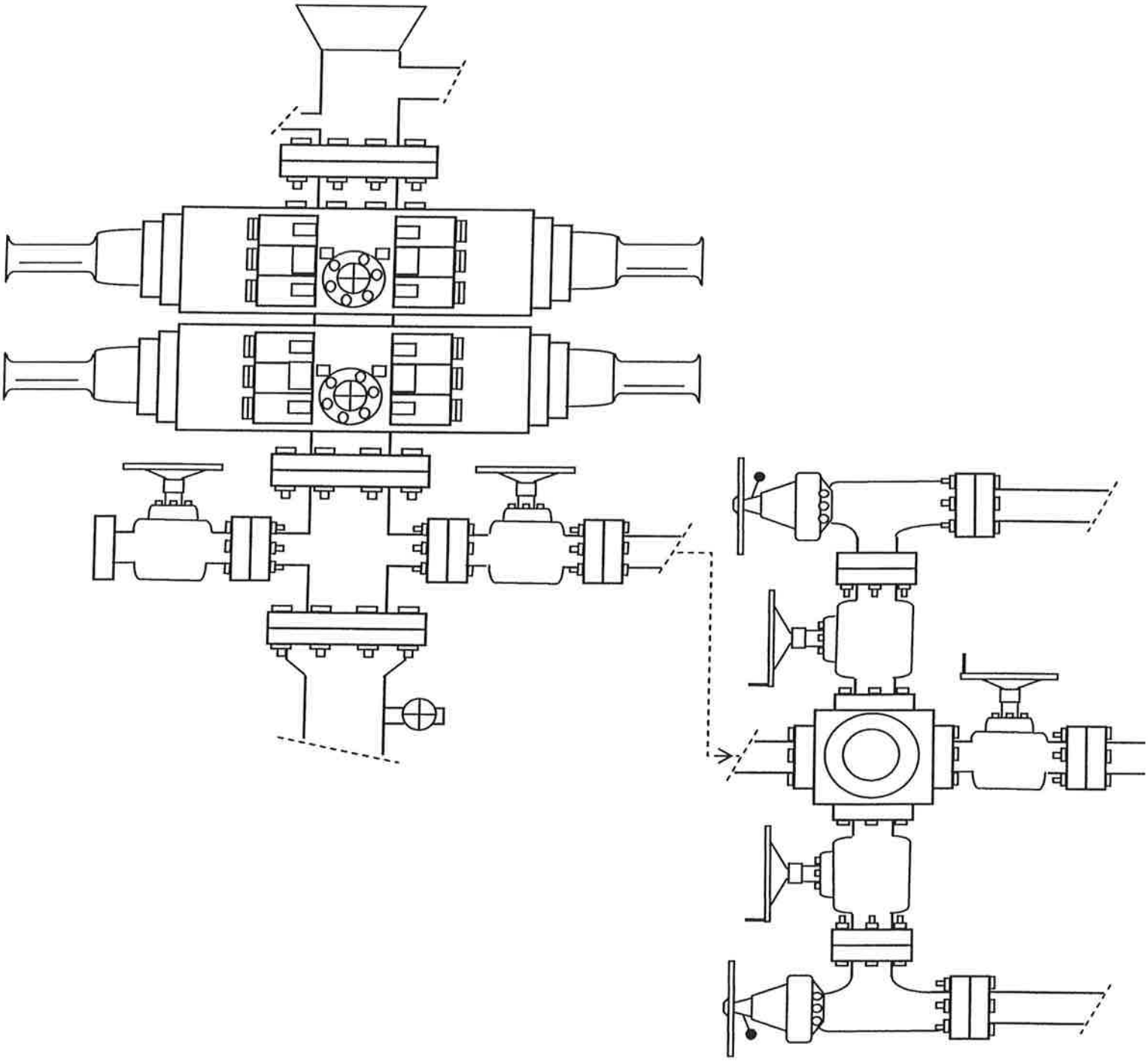

EXHIBIT C

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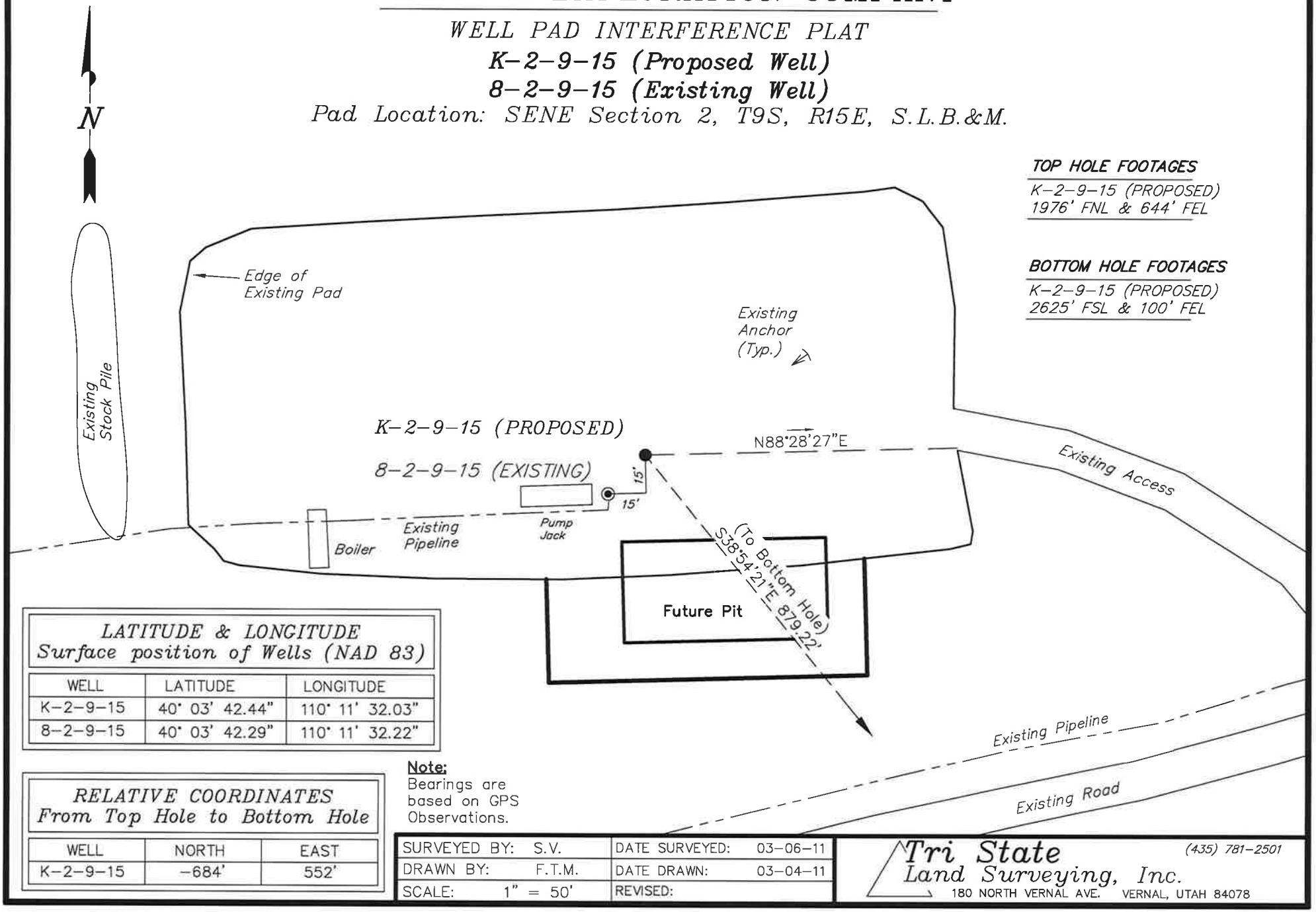
NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

K-2-9-15 (Proposed Well)

8-2-9-15 (Existing Well)

Pad Location: SENE Section 2, T9S, R15E, S.L.B.&M.



LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
K-2-9-15	40° 03' 42.44"	110° 11' 32.03"
8-2-9-15	40° 03' 42.29"	110° 11' 32.22"

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
K-2-9-15	-684'	552'

Note:
Bearings are based on GPS Observations.

SURVEYED BY: S.V.	DATE SURVEYED: 03-06-11
DRAWN BY: F.T.M.	DATE DRAWN: 03-04-11
SCALE: 1" = 50'	REVISED:

Tri State Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

API Well Number: 43013506510000

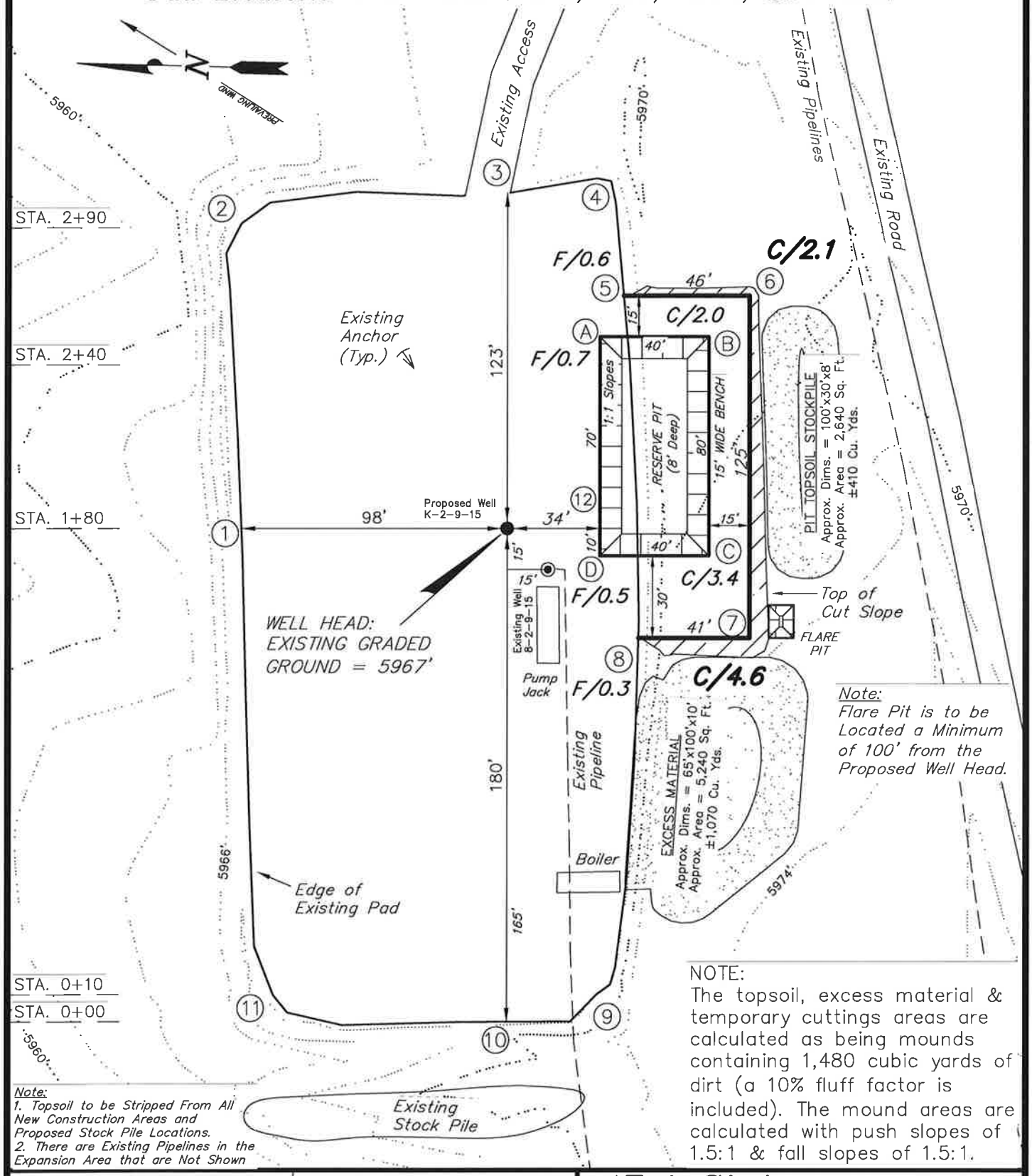
NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT

K-2-9-15 (Proposed Well)

8-2-9-15 (Existing Well)

Pad Location: SENE Section 2, T9S, R15E, S.L.B.&M.



Note:
Flare Pit is to be Located a Minimum of 100' from the Proposed Well Head.

NOTE:
The topsoil, excess material & temporary cuttings areas are calculated as being mounds containing 1,480 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

Note:
1. Topsoil to be Stripped From All New Construction Areas and Proposed Stock Pile Locations.
2. There are Existing Pipelines in the Expansion Area that are Not Shown

SURVEYED BY:	P.H.	DATE SURVEYED:	03-06-11
DRAWN BY:	F.T.M.	DATE DRAWN:	03-05-11
SCALE:	1" = 50'	REVISED:	

Tri State Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

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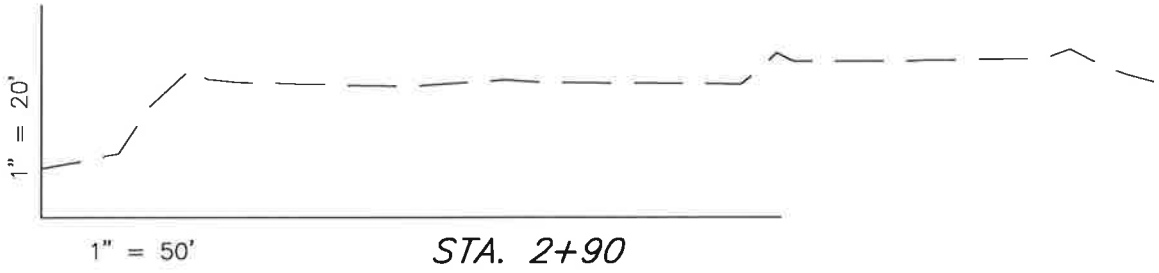
NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS

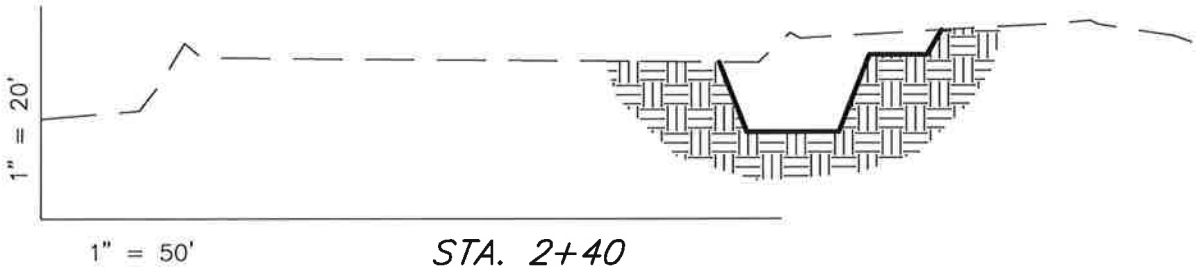
K-2-9-15 (Proposed Well)

8-2-9-15 (Existing Well)

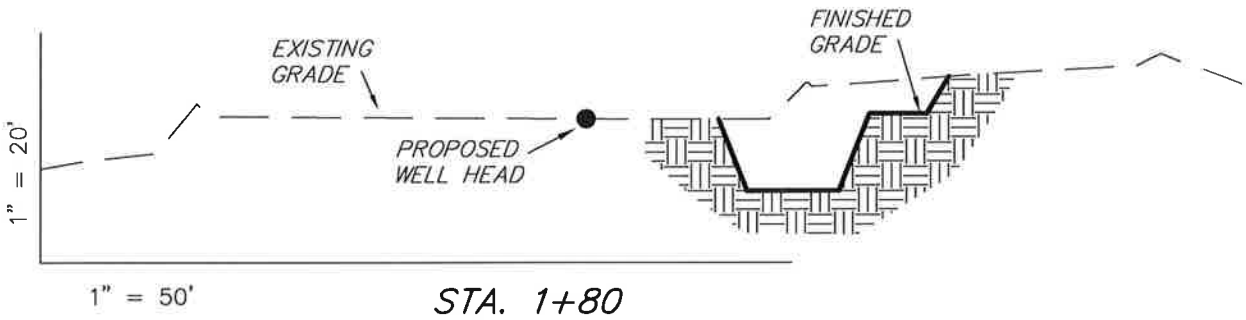
Pad Location: SENE Section 2, T9S, R15E, S.L.B.&M.



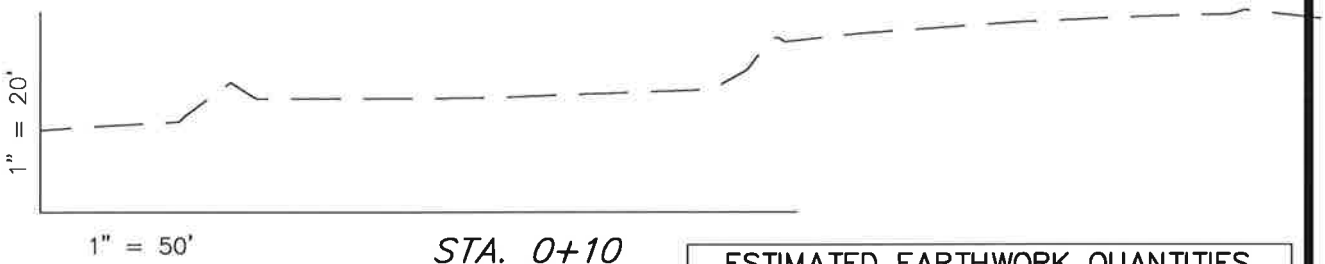
STA. 2+90



STA. 2+40



STA. 1+80



STA. 0+10

NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	340	50	Topsoil is not included in Pad Cut	290
PIT	690	0		690
TOTALS	1,030	50	370	980

SURVEYED BY: P.H.	DATE SURVEYED:	03-06-11	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN:	03-05-11	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 50'	REVISED:		

RECEIVED: Mar. 17, 2011

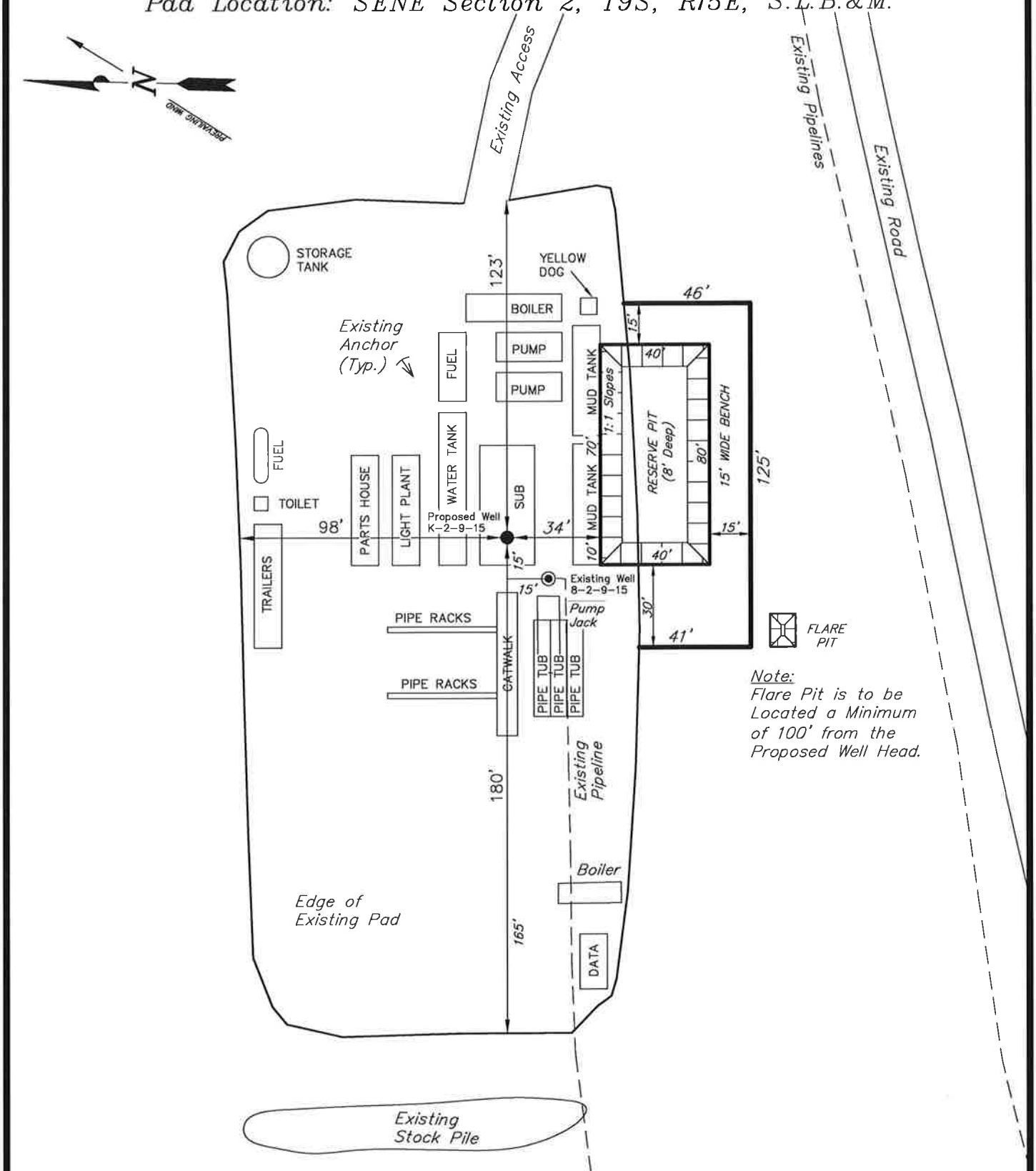
NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

K-2-9-15 (Proposed Well)

8-2-9-15 (Existing Well)

Pad Location: SENE Section 2, T9S, R15E, S.L.B.&M.



SURVEYED BY: P.H.	DATE SURVEYED:	03-06-11	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN:	03-05-11	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 50'	REVISED:		

RECEIVED: Mar. 17, 2011

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

March 22, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2011 Plan of Development Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2011 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-50648	GMBU U-32-8-16	Sec 32 T08S R16E 0563 FSL 0537 FEL BHL Sec 32 T08S R16E 0100 FSL 0100 FEL
43-013-50649	GMBU I-32-8-17	Sec 32 T08S R17E 0485 FNL 0656 FEL BHL Sec 32 T08S R17E 1648 FNL 1589 FEL
43-013-50650	GMBU S-32-8-17	Sec 32 T08S R17E 2293 FSL 2169 FEL BHL Sec 32 T08S R17E 1054 FSL 1120 FEL
43-047-51540	GMBU N-36-8-17	Sec 36 T08S R17E 1915 FNL 0731 FWL BHL Sec 36 T08S R17E 2461 FSL 1558 FWL
43-047-51541	GMBU R-36-8-17	Sec 36 T08S R17E 0731 FSL 1972 FEL BHL Sec 36 T08S R17E 1486 FSL 2364 FWL
43-013-50651	GMBU K-2-9-15	Sec 02 T09S R15E 1976 FNL 0644 FEL BHL Sec 02 T09S R15E 2625 FSL 0100 FEL
43-013-50652	GMBU W-2-9-15	Sec 02 T09S R15E 0546 FSL 2035 FWL BHL Sec 02 T09S R15E 0100 FSL 2625 FEL
43-047-51542	GMBU K-2-9-17	Sec 02 T09S R17E 2039 FSL 0766 FEL BHL Sec 02 T09S R17E 2630 FSL 0100 FEL

RECEIVED: Mar. 23, 2011

API #	WELL NAME	LOCATION
9Proposed PZ GREEN RIVER)		
43-047-51543	GMBU T-2-9-17	Sec 02 T09S R17E 0644 FSL 0644 FEL
		BHL Sec 02 T09S R17E 1340 FSL 0100 FEL
43-047-51544	GMBU U-2-9-17	Sec 02 T09S R17E 0627 FSL 0631 FEL
		BHL Sec 02 T09S R17E 0100 FSL 0100 FEL
43-013-50653	GMBU V-32-8-16	Sec 32 T08S R16E 0584 FSL 0539 FEL
		BHL Sec 32 T08S R16E 0100 FSL 1290 FEL
43-013-50654	GMBU O-2-9-17	Sec 02 T09S R17E 2026 FNL 0682 FWL
		BHL Sec 02 T09S R17E 2630 FSL 0100 FWL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

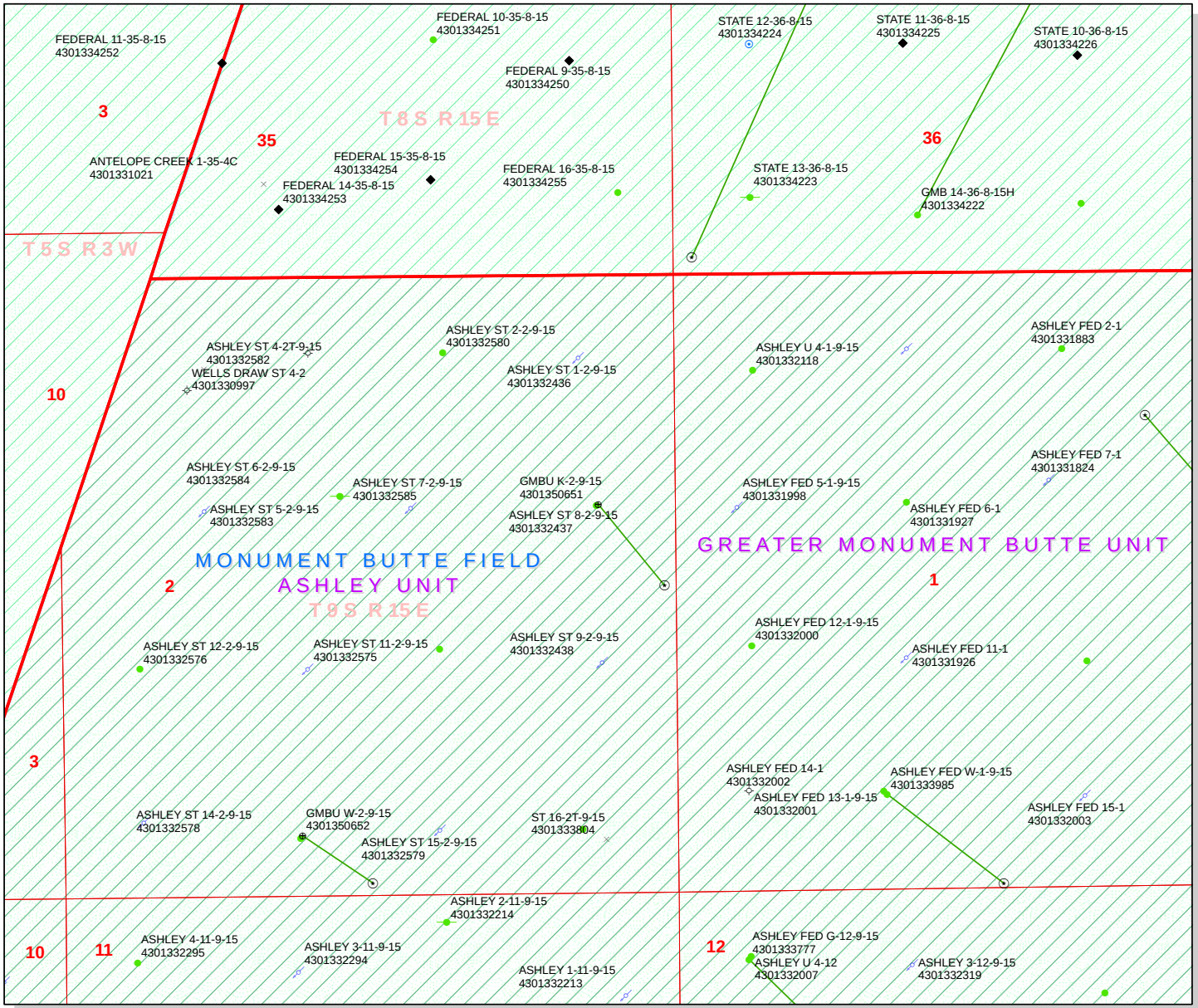
Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2011.03.22 12:09:21 -06'00'

bcc: File - Greater Monument Butte Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:3-22-11

RECEIVED: Mar. 23, 2011

API Well Number: 43013506510000



API Number: 4301350651

Well Name: GMBU K-2-9-15

Township T0.9 . Range R1.5 . Section 02

Meridian: SLBM

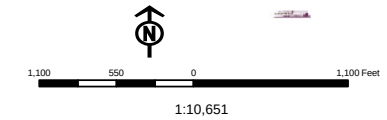
Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
ACTIVE
EXPLORATORY
GAS STORAGE
NF PP OIL
NF SECONDARY
PI OIL
PP GAS
PP GEOTHERML
PP OIL
SECONDARY
TERMINATED

Fields
STATUS
Unknown
ABANDONED
ACTIVE
COMBINED
INACTIVE
STORAGE
TERMINATED
Sections
Township

Wells Query
Status
APD - Aproved Permit
DRL - Spuded (Drilling Commenced)
GIW - Gas Injection
GS - Gas Storage
LA - Location Abandoned
LOC - New Location
OPS - Operation Suspended
PA - Plugged Abandoned
PGW - Producing Gas Well
POW - Producing Oil Well
RET - Returned APD
SGW - Shut-in Gas Well
SOW - Shut-in Oil Well
TA - Temp. Abandoned
TW - Test Well
WDW - Water Disposal
WIW - Water Injection Well
WSW - Water Supply Well



1:10,651

RECEIVED: Mar. 23, 2011

NEWFIELD
ROCKY MOUNTAINS

VIA ELECTRONIC DELIVERY

March 28, 2011

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
GMBU K-2-9-15
Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R15E Section 2: SENE (ML-43538)
1976' FNL 644' FEL

At Target: T9S-R15E Section 2: NESE (ML-43538)
2625' FSL 100' FEL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 3/17/11, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-exiting roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4197 or by email at sgillespie@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

Shane Gillespie
Land Associate

1001 17th Street, Suite 2000 Denver, CO 80202 (303) 893-0102 Fax (303) 893-0103
RECEIVED: Mar. 28, 2011

API Well Number: 43013506510000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5 MINERAL LEASE NO: ML-43538	6 SURFACE: State
1A TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐	7 IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
1B TYPE OF WELL: OIL ☑ GAS ☐ OTHER _____ SINGLE ZONE ☑ MULTIPLE ZONE ☐	8 UNIT or CA AGREEMENT NAME: Greater Monument Butte
2 NAME OF OPERATOR: Newfield Production Company	9 WELL NAME and NUMBER: GMBU K-2-9-15
3 ADDRESS OF OPERATOR: Route #3 Box 3630 Myton UT 84052 — PHONE NUMBER: (435) 646-3721	10 FIELD AND POOL, OR WILDCAT: Monument Butte
4 LOCATION OF WELL (FOOTAGES) AT SURFACE: SE/NE 1976' FNL 644' FEL Sec. 2 T9S R15E AT PROPOSED PRODUCING ZONE: NE/SE 2625' FSL 100' FEL Sec. 2 T9S R15E	11 QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 2 9S 15E
14 DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 13.5 miles southwest of Myton, Utah	12 COUNTY: Duchesne — 13 STATE: UTAH
15 DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET): Approx. 100' f/lse line, NA' f/unit line	16 NUMBER OF ACRES IN LEASE: 621.07 acres — 17 NUMBER OF ACRES ASSIGNED TO THIS WELL: 20 acres
18 DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): Approx. 1204'	19 PROPOSED DEPTH: 6,418 — 20 BOND DESCRIPTION: #B001834
21 ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5967' GL	22 APPROXIMATE DATE WORK WILL START: 2nd Qtr. 2011 — 23 ESTIMATED DURATION: (15) days from SPUD to rig release

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12 1/4	8 5/8	J-55	24.0	300	Class G w/2% CaCl	155 sx +/-	1.17	15.8
7 7/8	5 1/2	J-55	15.5	6,418	Lead(Prem Lite II)	275 sx +/-	3.26	11.0
					Tail (50/50 Poz)	450 sx +/-	1.24	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☑ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
- ☑ COMPLETE DRILLING PLAN
- ☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Mandie Crozier — TITLE Regulatory Specialist

SIGNATURE Mandie Crozier — DATE 3/17/11

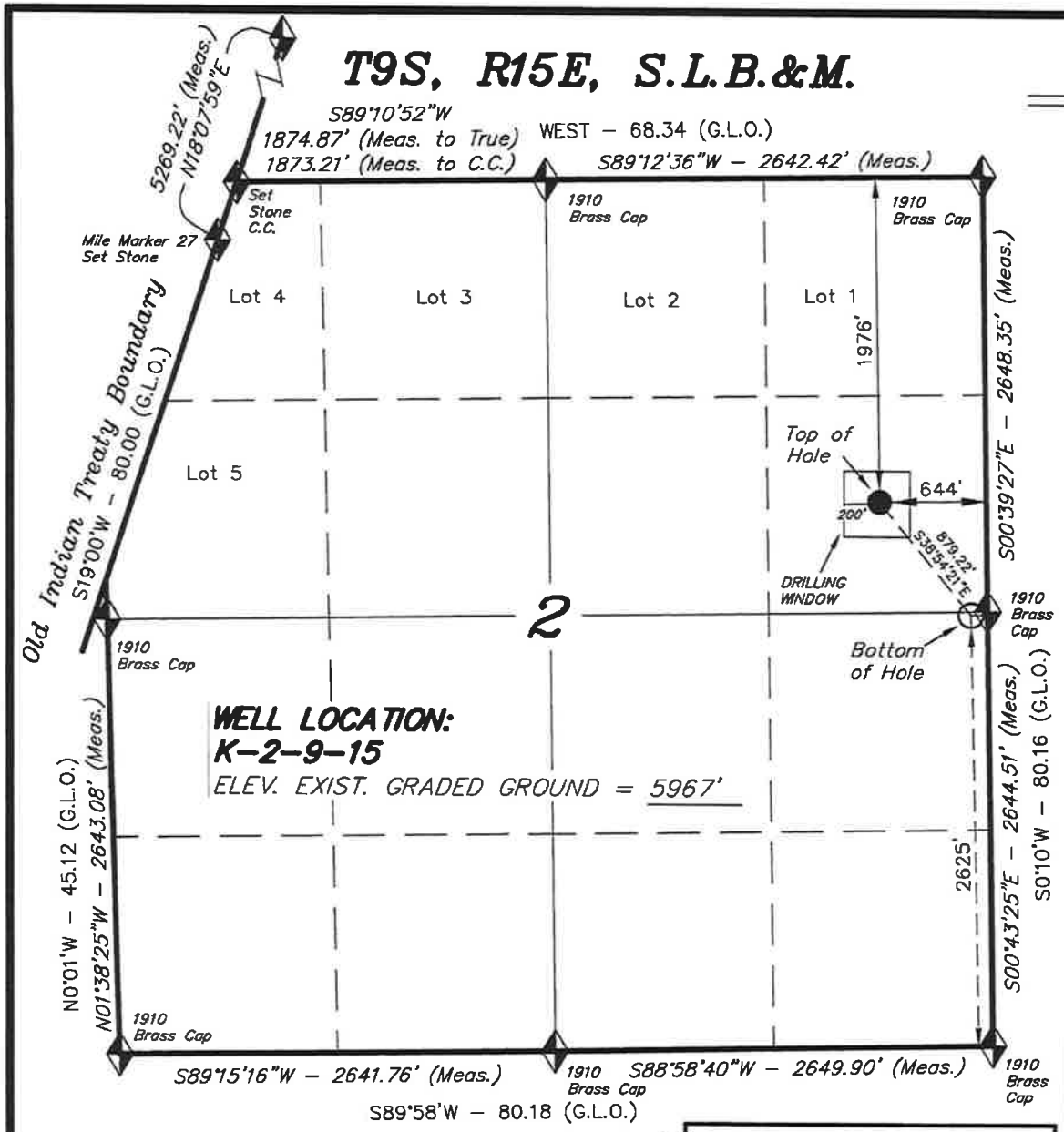
(This space for State use only)

API NUMBER ASSIGNED _____ APPROVAL

(See Instructions on Reverse Side)

RECEIVED: Mar. 28, 2011

T9S, R15E, S.L.B.&M.



BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

K-2-9-15
(Surface Location) NAD 83
LATITUDE = 40° 03' 42.44"
LONGITUDE = 110° 11' 32.03"

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, K-2-9-15, LOCATED AS SHOWN IN THE SE 1/4 NE 1/4 OF SECTION 2, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, K-2-9-15, LOCATED AS SHOWN IN THE NE 1/4 SE 1/4 OF SECTION 2, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

1000' 500' 0' 1000'
BAR SCALE

N

NOTES:
1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Bottom of Hole footages are 2625' FSL & 100' FEL.

◆ = SECTION CORNERS LOCATED

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

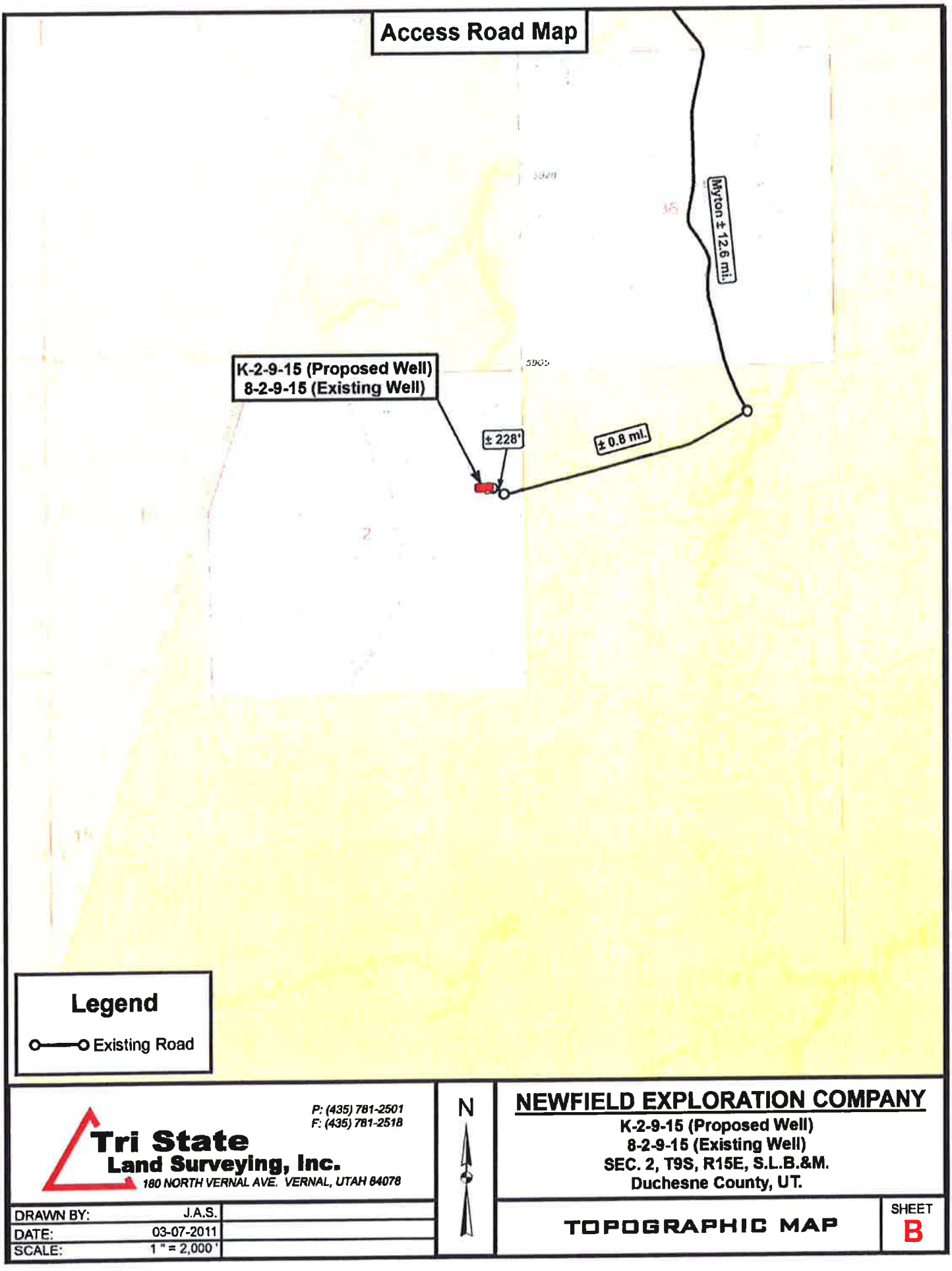
REGISTERED LAND SURVEYOR 189377 STATE OF UTAH

TRACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH
03-07-11

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 03-06-11	SURVEYED BY: S.V.
DATE DRAWN: 03-04-11	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'



Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

DRAWN BY:	J.A.S.
DATE:	03-07-2011
SCALE:	1 " = 2,000 '

N

NEWFIELD EXPLORATION COMPANY

K-2-9-15 (Proposed Well)
8-2-9-15 (Existing Well)
SEC. 2, T9S, R15E, S.L.B.&M.
Duchesne County, UT.

TOPOGRAPHIC MAP

SHEET
B

RECEIVED: Mar. 28, 2011

From: Jim Davis
To: Bonner, Ed; Garrison, LaVonne; Hill, Brad; Mason, Diana
CC: mcrozier@newfield.com; teaton@newfield.com
Date: 4/7/2011 11:06 AM
Subject: Newfield APD approvals

The following APDs have been approved by SITLA. Please note arch and paleo notes below.

Arch and paleo clearance is granted on this group of APDs.
4301350651 GMBU K-2-9-15
4301350652 GMBU W-2-9-15
4304751543 GMBU T-2-9-17
4304751544 GMBU U-2-9-17

On existing pad, requiring no new surface disturbance. Arch and paleo not required.
4301350650 GMBU S-32-8-17
4301350654 GMBU O-2-9-17
4304751541 GMBU R-36-8-17
4304751542 GMBU K-2-9-17
4301350656 GMBU P-32-8-17
4301350657 GMBU W-32-8-17
4304751548 GMBU D-36-8-17

Thanks
-Jim

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156

RECEIVED: **Apr. 07, 2011**

API Well Number: 43013506510000

BOPE REVIEW NEWFIELD PRODUCTION COMPANY GMBU K-2-9-15 43013506510000

Well Name	NEWFIELD PRODUCTION COMPANY GMBU K-2-9-15 43013			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	350	6300		
Previous Shoe Setting Depth (TVD)	0	350		
Max Mud Weight (ppg)	8.3	8.4		
BOPE Proposed (psi)	500	2000		
Casing Internal Yield (psi)	2950	4810		
Operators Max Anticipated Pressure (psi)	2729	8.3		

Calculations	Surf String	8.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	151		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	109	YES	air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	74	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	74	NO	OK
Required Casing/BOPE Test Pressure=		350	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi	*Assumes 1psi/ft frac gradient

Calculations	Prod String	5.500	"	
Max BHP (psi)	.052*Setting Depth*MW=	2752		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1996	YES	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1366	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1443	NO	Common in area
Required Casing/BOPE Test Pressure=		2000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		350	psi	*Assumes 1psi/ft frac gradient

Calculations	String		"	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO	
Required Casing/BOPE Test Pressure=			psi	
*Max Pressure Allowed @ Previous Casing Shoe=			psi	*Assumes 1psi/ft frac gradient

Calculations	String		"	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO	
Required Casing/BOPE Test Pressure=			psi	

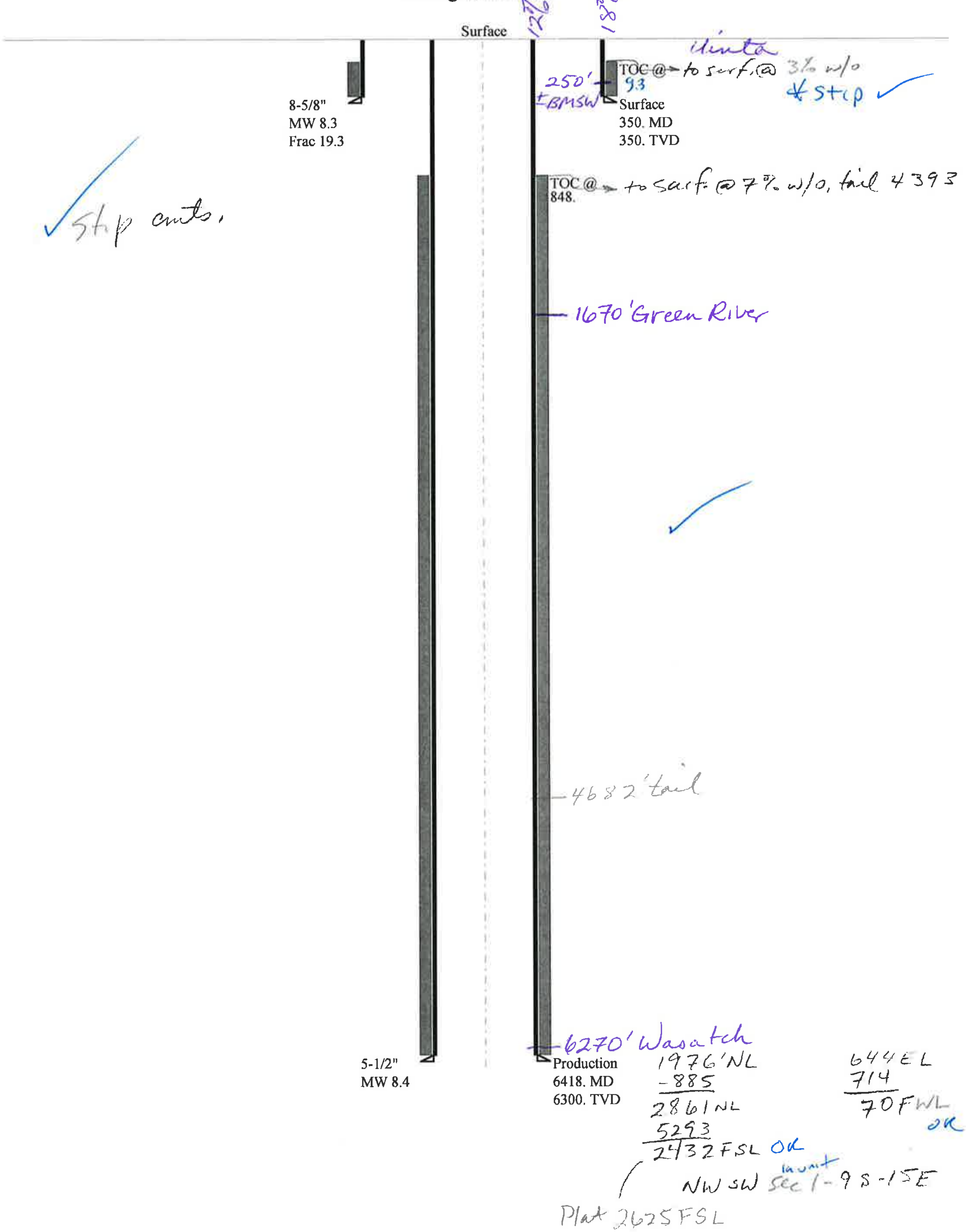
RECEIVED: May. 02, 2011

***Max Pressure Allowed @ Previous Casing Shoe=**		psi *Assumes 1psi/ft frac gradient

RECEIVED: **May. 02, 2011**

43013506510000 GMBU K-2-9-15

Casing Schematic



RECEIVED: May. 02, 2011

Well name:	**43013506510000 GMBU K-2-9-15**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Surface
Project ID:	43-013-50651
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 308 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 350 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 306 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 79 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 93 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 6,300 ft
Next mud weight: 8.400 ppg
Next setting BHP: 2,749 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 350 ft
Injection pressure: 350 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	350	8.625	24.00	J-55	ST&C	350	350	7.972	1802

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	151	1370	9.046	350	2950	8.43	8.4	244	29.05 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: April 26,2011
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 350 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

RECEIVED: May. 02, 2011

Well name:	**43013506510000 GMBU K-2-9-15**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Production
Project ID:	43-013-50651
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,363 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,749 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 5,599 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 162 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 848 ft

Directional Info - Build & Hold
Kick-off point 600 ft
Departure at shoe: 1137 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 12.12 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	6418	5.5	15.50	J-55	LT&C	6300	6418	4.825	22662

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2749	4040	1.470	2749	4810	1.75	97.7	217	2.22 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: April 26,2011
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 6300 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

RECEIVED: May. 02, 2011

ON-SITE PREDRILL EVALUATION
Utah Division of Oil, Gas and Mining

Operator	NEWFIELD PRODUCTION COMPANY								
Well Name	GMBU K-2-9-15								
API Number	43013506510000	**APD No**	3572	**Field/Unit**	MONUMENT BUTTE				
Location: 1/4,1/4	SENE	**Sec**	2	**Tw**	9.0S	**Rng**	15.0E	1976 FNL	644 FEL
GPS Coord (UTM)	568954 4434725	**Surface Owner**							

Participants

Floyd Bartlett (DOGM), Brian Foote (Newfield), Jim Davis (SITLA) and Alex Hansen (UDWR).

Regional/Local Setting & Topography

The proposed GMBU K-2-9-15 oil well is a directional well to be drilled from the existing pad of the existing MBU 8-2-9-15 producing oil well. The area in designated for 20 acre spacing. No changes will be made to the existing pad. A reserve pit will be re-dug in approximately the previous location. No tanks are currently on the pad. The oil will be piped to another site.

A field review of the existing pad showed no concerns as it now exists and it should be suitable for drilling and operating the proposed additional well.

SITLA owns the surface.

Surface Use Plan

Current Surface Use
Existing Well Pad

New Road Miles	Well Pad Width	Well Pad Length	Src Const Material	Surface Formation

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands

Flora / Fauna
Existing location.

Soil Type and Characteristics

Erosion Issues

Sedimentation Issues

Site Stability Issues

Drainage Diverson Required?

Berm Required?

RECEIVED: May. 04, 2011

Erosion Sedimentation Control Required?

Paleo Survey Run? **Paleo Potental Observed?** **Cultural Survey Run?** **Cultural Resources?**

Reserve Pit

Site-Specific Factors		Site Ranking	
Distance to Groundwater (feet)	75 to 100	10	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)		20	
Native Soil Type	Mod permeability	10	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	45	1 Sensitivity Level

Characteristics / Requirements

A reserve pit will be re-dug in the original location on the southeast side. Its dimensions are 80' x 40' x 8' deep. A 16 mil liner with an appropriate sub-liner is required.

Closed Loop Mud Required? N **Liner Required?** **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

Floyd Bartlett	3/23/2011
Evaluator	**Date / Time**

RECEIVED: May. 04, 2011

Application for Permit to Drill
Statement of Basis

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
3572	43013506510000	LOCKED	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		**Surface Owner-APD**		
Well Name	GMBU K-2-9-15		**Unit**	GMBU (GRRV)	
Field	MONUMENT BUTTE		**Type of Work**	DRILL	
Location	SENE 2 9S 15E S 1976 FNL 644 FEL		GPS Coord (UTM)	568938E 4434726N	

Geologic Statement of Basis

Newfield proposes to set 300 feet of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 250'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 2. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect useable sources of underground water.

Brad Hill	4/5/2011
APD Evaluator	**Date / Time**

Surface Statement of Basis

The proposed GMBU K-2-9-15 oil well is a directional well to be drilled from the existing pad of the existing MBU 8-2-9-15 producing oil well. The area in designated for 20 acre spacing. No changes will be made to the existing pad. A reserve pit will be re-dug in approximately the previous location. No tanks are currently on the pad. The oil will be piped to another site.

A field review of the existing pad showed no concerns as it now exists and it should be suitable for drilling and operating the proposed additional well.

SITLA owns the surface. Mr. Jim Davis of SITLA attended the evaluation and had no concerns. Mr. Alex Hansen of the UDWR also attended and had no recommendations for wildlife.

Floyd Bartlett	3/23/2011
Onsite Evaluator	**Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

RECEIVED: May. 04, 2011

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 3/17/2011
API NO. ASSIGNED: 43013506510000
WELL NAME: GMBU K-2-9-15
OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)
PHONE NUMBER: 435 646-4825
CONTACT: Mandie Crozier

PROPOSED LOCATION: SENE 02 090S 150E
Permit Tech Review: ☑

SURFACE: 1976 FNL 0644 FEL
Engineering Review: ☑

BOTTOM: 2625 FSL 0100 FEL
Geology Review: ☑

COUNTY: DUCHESNE
LATITUDE: 40.06186
LONGITUDE: -110.19168
UTM SURF EASTINGS: 568938.00
NORTHINGS: 4434726.00
FIELD NAME: MONUMENT BUTTE
LEASE TYPE: 3 - State
LEASE NUMBER: ML-43538
PROPOSED PRODUCING FORMATION(S): GREEN RIVER
SURFACE OWNER: 3 - State
COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** STATE/FEE - B001834
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** 437478
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit: GMBU (GRRV)

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: Cause 213-11
Effective Date: 11/30/2009
Siting: Suspends General Siting

- ☑ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:
5 - Statement of Basis - bhill
15 - Directional - dmason
25 - Surface Casing - hmacdonald
27 - Other - bhill

RECEIVED: May. 04, 2011

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill
****

Well Name: GMBU K-2-9-15
API Well Number: 43013506510000
Lease Number: ML-43538
Surface Owner: STATE
Approval Date: 5/4/2011

Issued to:
NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Surface casing shall be cemented to the surface.

Additional Approvals:
The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:
- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at http://oilgas.ogm.utah.gov
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

Contact Information:
The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
  801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
  801-231-8956 - after office hours

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

Spud

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By Branden Arnold Phone Number 435-401-0223
Well Name/Number GMBU K-2-9-15
Qtr/Qtr SENE Section 2 Township 9S Range 15E
Lease Serial Number ML-43538
API Number 43-013-50651

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 5/10/11 9:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 5/10/11 3:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-43538

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: GMBU

1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER

8. WELL NAME and NUMBER: GMBU K-2-9-15

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 4301350651

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER: 435.646.3721

10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT

4. LOCATION OF WELL:

FOOTAGES AT SURFACE:

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: , 2, T9S, R15E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARITLY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[X] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
05/11/2011	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[X] OTHER: - Spud Notice
	[ ] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 5/10/11 MIRU Ross #29. Spud well @9:00 AM. Drill 385' of 12 1/4" hole with air mist. TIH W/ 9 Jt's 8 5/8" J-55 24# csgn. Set @ 387.97. On 5/11/11 cement with 190 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 8 barrels cement to pit. WOC.

NAME (PLEASE PRINT) Branden Arnold TITLE

SIGNATURE Branden Arnold DATE 05/11/2011

(This space for State use only)

RECEIVED
MAY 23 2011
DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8" CASING SET AT **387.97**

LAST CASING **14** SET AT **9**
DATUM **12**
DATUM TO CUT OFF CASING **12**
DATUM TO BRADENHEAD FLANGE **12**
TD DRILLER **385** LOGGER
HOLE SIZE **12 1/4"**

OPERATOR **Newfield Exploration Company**
WELL **GMBU K-2-9-15**
FIELD/PROSPECT **Monument Butte**
CONTRACTOR & RIG # **Ross # 29**

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
1		wellhead				A	1.42
9	8 5/8"	casing (shoe jt 43.00)	24	J-55	STC	A	375.65
1	8 5/8"	guide shoe				A	0.9

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	377.97	9
LESS NON CSG. ITEMS	2.32	
PLUS FULL JTS. LEFT OUT	0	
TOTAL	375.65	9
TOTAL CSG. DEL. (W/O THRDS)		
TIMING		
BEGIN RUN CSG. Spud	9:00 AM	5/10/2011
CSG. IN HOLE	5:00 AM	5/10/2011
BEGIN CIRC	9:40 AM	5/11/2011
BEGIN PUMP CMT	9:55 AM	5/11/2011
BEGIN DSPL. CMT	10:10 AM	5/11/2011
PLUG DOWN	**10:15 AM**	**5/11/2011**

TOTAL LENGTH OF STRING	377.97
LESS CUT OFF PIECE	2
PLUS DATUM TO T/CUT OFF CSG	12
CASING SET DEPTH	**387.97**

} COMPARE

GOOD CIRC THRU JOB Yes
Bbls CMT CIRC TO SURFACE
RECIPROCATED PIPI No

BUMPED PLUG TO 413

CEMENT USED		CEMENT COMPANY- **BJ**
STAGE	# SX	CEMENT TYPE & ADDITIVES
1		Class "G"+2%CaCl Mixed@ 15.8ppg W/1.17 yield returned 8bbls to pit
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
Middle of first, top of second and third for a total of three.		

COMPANY REPRESENTATIVE **Branden Arnold** DATE **5/11/2011**

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400 ✓	4301350520	GMBU P-23-8-17	SESE	23	8S	17E	DUCHESNE	5/8/2011	5/31/11

WELL 1 COMMENTS:
GRRV BHL= Sec 23 SWSE

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400 ✓	4301350651	GMBU K-2-9-15	SENE	2	9S	15E	DUCHESNE	5/10/2011	5/31/11

GRRV BHL= NESE

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE
A	99999	18056	4301350448	BECKSTEAD 14-17-4-2W	SESW	17	4S	2W	DUCHESNE	5/12/2011	5/31/11

GRRV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	18057	4304751301	UTE TRIBAL 7-15-4-1E	SWNE	15	4S	1E	UINTAH	5/11/2011	5/31/11

GRRV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400 ✓	4301350519	GMBU S-22-8-17	SESE	22	8S	17E	DUCHESNE	5/9/2011	5/31/11

GRRV BHL= NWSE

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400 ✓	4304751507	GMBU L-36-8-17	SWNE	36	8S	17E	UINTAH	5/3/2011	5/31/11

GRRV BHL= NESE

ACTION CODES (See instructions on back of form)
A - new entity for new well (single well only)
B - well to existing entity (group or unit well)
C - from one existing entity to another existing entity
D - well from one existing entity to a new entity
E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED
MAY 18 2011
DIV. OF OIL, GAS & MINING

Signature: Jentri Park
Production Clerk
05/18/11

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-43538
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: GMBU
8. WELL NAME and NUMBER: GMBU K-2-9-15
9. API NUMBER: 4301350651
10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: COUNTY: DUCHESNE
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: , 2, T9S, R15E STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARITLY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLAIR
☒ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of Work Completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/STOP)	☐ WATER SHUT-OFF
06/07/2011	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☒ OTHER: - Weekly Status Report
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 6/7/2011, attached is a daily completion status report.

RECEIVED
JUN 15 2011
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Jennifer Peatross TITLE Production Technician

SIGNATURE Jpeatross DATE 06/10/2011

(This space for State use only)

Daily Activity Report

Format For Sundry

GMBU K-2-9-15

4/1/2011 To 8/30/2011

5/31/2011 Day: 1 **Completion**

Rigless on 5/31/2011 - Rigged up Perforators WLT with lubricator. Ran CBL under pressure. WLTD was 6305' with TOC at 60'. Ran in hole with 3-1/8" ported guns and perforated CP3, CP2, CP1, and CP0.5 sands as shown in perforation report. SWIFN. - Nipple up frac head and Weatherford BOPs. Rig up hot oiler and test casing, frac head, frac valves and BOP to 4500 psi. Rig up Perforators WLT with lubricator. Run CBL under pressure. WLTD was 6305' with TOC at 60'. Run in hole with 3-1/8" ported guns and perforate CP3, CP2, CP1, and CP0.5 sands as shown in perforation report. Rig down WLT and hot oiler. SIWFN w/ 150 BWTR.
Daily Cost: $0
Cumulative Cost: $16,579

6/1/2011 Day: 2 **Completion**

Rigless on 6/1/2011 - Fraced Stages 1-4 with BJ Services and Extreme Wireline. Began flowback on 20/64 choke at 3 BPM. Well flowed for 8 hours and turned to oil. Recovered 1200 bbls of fluid. SWIFN. - RU BJ Services and Extreme Wireline for Stage 2. Perforate LODC sands as shown in perforation report. Rig down Extreme Wireline and frac LODC sands with 73,825 lbs of white 20/40 sand. Leave pressure on well. 1550 BWTR. - RU BJ Services and Extreme Wireline for Stage 3. Perforate A1, B2, and B1 sands as shown in perforation report. Rig down Extreme Wireline and frac A1, B2, and B1 sands with 84,060 lbs of white 20/40 sand. Leave pressure on well. 2187 BWTR. - RU BJ Services for Stage 1. Frac CP3, CP2, CP1, and CP0.5 sands with 99,184 lbs of white 20/40 sand. Leave pressure on well. 955 BWTR. - RU BJ Services and Extreme Wireline for Stage 4. Perforate C, D3, and D1 sands as shown in perforation report. Rig down Extreme Wireline and frac C, D3, and D1 sands with 95,964 lbs of white 20/40 sand. Leave pressure on well. 2902 BWTR. - Begin flowback on 20/64 choke at 3 BPM. Well flowed for 8 hours and turned to oil. Recovered 1200 bbls of fluid. SIWFN with 1702 BWTR.
Daily Cost: $0
Cumulative Cost: $142,629

6/3/2011 Day: 3 **Completion**

WWS #1 on 6/3/2011 - Rigged up PSI wireline, ran into hole, set Weatherford kill plug at 4820', and bled down well. Picked up and ran into hole with 4-3/4" chomp bit and tubing to kill plug at 4820' and drilled out plug in 22 minutes. SWIFN. - Crew travel and safety meeting on nippling up BOPs. Rig up PSI wireline, run into hole, set Weatherford kill plug at 4820', and bleed down well. Rig down PSI and rig up WWS #1. Nipple down frac BOPs and nipple up 5000 lb BOPs. Rig up work floor and tubing equipment. Pick up and run into hole with 4-3/4" chomp bit and tubing to kill plug at 4820' and drill out kill plug in 22 minutes. Run into hole with tubing to place end of tubing at 5050'. Circulate well clean. SWIFN at 6 pm with 1642 BWTR.
Daily Cost: $0
Cumulative Cost: $154,364

6/6/2011 Day: 4 **Completion**

WWS #1 on 6/6/2011 - Drilled out 3 plugs and cleaned out to PBTD. Made 12 swab runs and recovered 172 bbls of fluid. SWIFN. - Crew travel and safety meeting on working with pressurized lines. Pressure on tubing at 425 psi and pressure on casing at 450 psi. Rig up pump and circulate well clean. Run into hole with tubing, tag plug at 5090', and drill out plug in 24 minutes. Run into hole with tubing, tag plug at 5380', and drill out plug in 24 minutes. Run into hole with tubing, tag plug at 5630', and drill out plug in 32 minutes. Run into hole with tubing, tag fill at 6150', and clean out to PBTD at 6339'. Circulate well clean and make 12 swab runs. Recovered 172 bbls of fluid. Final fluid level at 700'. SWIFN at 5 pm with 1470 BWTR.
Daily Cost: $0
Cumulative Cost: $161,224

6/7/2011 Day: 5 **Completion**

WWS #1 on 6/7/2011 - Tripped out of hole with tubing to lay down chomp bit. Ran into hole with BHA and production tubing. Crossed-over to rod equipment and SWIFN. - Crew travel and safety meeting on tripping pipe. Pressure on casing at 700 psi and pressure on tubing at 550 psi. Rig up pump and circulate well with 180 bbls of water. Pick up (2) joints of tubnig to PBTD at 6339'. No new fill. Lay down (11) joints of tubing and trip out of hole with tubing to lay down chomp bit. Trip into hole with BHA and tubing as follows: notched collar, (2) joints 2-7/8" tubing, pump seating nipple, (1) joint 2-7/8" tubing, tubing anchor, and (188) joints 2-7/8" tubing. Well flowing while running tubing. Rig down work floor and nipple down BOPs. Set TAC at 5910.67' with 18,000 lbs of tension to place SN at 5944.87' and EOT at 6009.24'. Cross-over to rod equipment and SWIFN with 1290 BWTR.
Daily Cost: $0
Cumulative Cost: $204,684

6/8/2011 Day: 6 **Completion**

WWS #1 on 6/8/2011 - Picked up and ran rods including (6) weight bars, (131) 3/4" 8per guided rods, (99) 7/8" 8per guided rods, and (1) 1-1/2" x 30' polish rod. PWOP at 12:00 pm on 6/7/11 with 144" stroke length and 5 spm. - Crew travel and safety meeting on picking up rods. Pressure on casing at 350 psi and pressure on tubing at 150 psi. Flow well to rig tank while picking up rods. Pick up and run into hole with rods as follows: Central Hydraulic 25-175-RHAC-20-4-21-24 pump, (1) 1" x 4' stabilizer bar, (6) 1-1/2" weight rods, (131) 3/4" 8per guided rods, (99) 7/8" 8per guided rods, (1) 7/8" x 2' pony rod, and (1) 1-1/2" x 30' polish rod. Hang horsehead and test pump to 800 psi. Pump tested good. PWOP at 12:00 pm on 6/7/11 with 144" stroke length and 5 spm. 1170 BWTR. **Finalized**
Daily Cost: $0
Cumulative Cost: $239,760

Pertinent Files: Go to File List

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: ML-43538

1a. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: _____

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.: GREATER MONUMENT BUTTE

2. Name of Operator: NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No.: Greater Monument Butte K-2-9-15

3. Address: 1401 17TH ST. SUITE 1000 DENVER, CO 80202

3a. Phone No. *(include area code)*: (435) 646-3721

9. AFI Well No.: 43-013-50651

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: 1976' FNL & 644' FEL (SE/NE) SEC. 2, T9S, R15E (ML-43538)

10. Field and Pool or Exploratory: MONUMENT BUTTE

11. Sec., T., R., M., on Block and Survey or Area: SEC. 2, T9S, R15E

At top prod. interval reported below: 2496' FNL & 227' FEL (SE/NE) SEC. 2, T9S, R15E (ML-43538)

At total depth: 2607' FSL & 83' FEL (NE/SE) SEC. 2, T9S, R15E (ML-43538) 2620 FSL 0083 FEL

12. County or Parish: DUCHESNE

13. State: UT

14. Date Spudded: 05/10/2011

15. Date T.D. Reached: 05/20/2011

16. Date Completed: ☐ D & A ☑ Ready to Prod. 06/07/2011

17. Elevations (DF, RKB, RT, GL)*: 5967' GL 5979' KB

18. Total Depth: MD 6369' TVD 6298'

19. Plug Back T.D.: MD ~~6666'~~ 6317' TVD 6246'

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. DENSITY,COMP. NEUTRON,GR,CALIPER, CMT BOND ✓

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	385'		190 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6368'		280 PRIMLITE		60'	
						400 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 6009'	TA @ 5911'						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4876'	5951'	5775-5951'	.36"	36	
B)			4876-5556'	.34"	111	
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
4876-5951'	Frac w/ 353033#s 20/40 white sand in 2186 bbls of Lightning 17 fluid in 4 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
6/7/11	6/19/11	24	→	18	7	16			2-1/2" x 1-3/4" x 20' x 24' RHAC Pump

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

SOLD AND USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER	4876'	5951'		GARDEN GULCH MRK	3816'
				GARDEN GULCH 1	4048'
				GARDEN GULCH 2	4160'
				POINT 3	4426'
				X MRKR	4695'
				Y MRKR	4731'
				DOUGLAS CREEK MRK	4842'
				BI CARBONATE MRK	5097'
				B LIMESTONE MRK	5212'
				CASTLE PEAK	5742'
				BASAL CARBONATE	6194'
				WASATCH	6323'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☑ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☑ Other: Drilling Daily Activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Jennifer Peatross Title Production Technician

Signature Peatross Date 07/06/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

NEWFIELD

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 2 T9, R15
K-2-9-15

Wellbore #1

Design: Actual

Standard Survey Report

24 May, 2011

PATZONE

NEWFIELD

PayZone Directional Services, LLC.

Survey Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well K-2-9-15
Project:	USGS Myton SW (UT)	**TVD Reference:**	K-2-9-15 @ 5979.0ft (Newfield Rig)
Site:	SECTION 2 T9, R15	**MD Reference:**	K-2-9-15 @ 5979.0ft (Newfield Rig)
Well:	K-2-9-15	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 2 T9, R15				
Site Position:		**Northing:**	7,191,145.41 ft	**Latitude:**	40° 3' 15.350 N
From:	Lat/Long	**Easting:**	2,005,088.49 ft	**Longitude:**	110° 11' 49.770 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.83 °

Well	K-2-9-15, SHL LAT: 40 03 42.44 LONG: -110 11 32.03					
Well Position	**+N/-S**	0.0 ft	**Northing:**	7,193,906.26 ft	**Latitude:**	40° 3' 42.440 N
	+E/-W	0.0 ft	**Easting:**	2,006,427.62 ft	**Longitude:**	110° 11' 32.030 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	5,979.0 ft	**Ground Level:**	5,967.0 ft

Wellbore	Wellbore #1				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	2011/03/15	11.40	65.79	52,282

Design	Actual						
Audit Notes:							
Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0		
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**			
	0.0	0.0	0.0	141.19			

Survey Program **Date** 2011/05/24

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
392.0	6,369.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
392.0	0.30	64.60	392.0	0.4	0.9	0.2	0.08	0.08	0.00
422.0	0.14	97.20	422.0	0.5	1.0	0.3	0.66	-0.53	108.67
452.0	0.20	77.20	452.0	0.5	1.1	0.3	0.28	0.20	-66.67
483.0	0.13	100.00	483.0	0.5	1.2	0.4	0.31	-0.23	73.55
514.0	0.60	136.07	514.0	0.4	1.4	0.6	1.62	1.52	116.36
544.0	0.70	151.00	544.0	0.1	1.6	0.9	0.65	0.33	49.77
575.0	1.40	156.10	575.0	-0.4	1.8	1.5	2.28	2.26	16.45
606.0	1.80	155.50	606.0	-1.2	2.2	2.3	1.29	1.29	-1.94
637.0	2.60	144.20	637.0	-2.2	2.8	3.5	2.92	2.58	-36.45
667.0	3.00	141.30	666.9	-3.4	3.7	4.9	1.41	1.33	-9.67
698.0	3.60	143.10	697.9	-4.8	4.7	6.7	1.96	1.94	5.81
728.0	4.10	141.30	727.8	-6.4	6.0	8.7	1.71	1.67	-6.00

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well K-2-9-15
Project:	USGS Myton SW (UT)	**TVD Reference:**	K-2-9-15 @ 5979.0ft (Newfield Rig)
Site:	SECTION 2 T9, R15	**MD Reference:**	K-2-9-15 @ 5979.0ft (Newfield Rig)
Well:	K-2-9-15	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
758.0	4.70	144.80	757.7	-8.2	7.4	11.0	2.19	2.00	11.67
789.0	5.20	147.90	788.6	-10.5	8.8	13.7	1.83	1.61	10.00
818.0	5.80	147.10	817.5	-12.8	10.3	16.5	2.09	2.07	-2.76
849.0	6.50	146.80	848.3	-15.6	12.1	19.8	2.26	2.26	-0.97
883.0	7.00	146.00	882.0	-18.9	14.4	23.7	1.50	1.47	-2.35
915.0	7.30	146.50	913.8	-22.2	16.6	27.7	0.96	0.94	1.56
946.0	7.70	149.00	944.5	-25.7	18.7	31.7	1.66	1.29	8.06
977.0	8.00	145.50	975.2	-29.2	21.0	35.9	1.82	0.97	-11.29
1,009.0	8.20	144.20	1,006.9	-32.9	23.6	40.4	0.85	0.63	-4.06
1,041.0	8.20	146.40	1,038.6	-36.6	26.2	45.0	0.98	0.00	6.88
1,073.0	8.40	141.30	1,070.3	-40.4	28.9	49.6	2.38	0.63	-15.94
1,104.0	9.00	138.80	1,100.9	-44.0	32.0	54.3	2.29	1.94	-8.06
1,136.0	8.90	138.90	1,132.5	-47.7	35.2	59.3	0.32	-0.31	0.31
1,168.0	9.00	137.80	1,164.1	-51.4	38.5	64.2	0.62	0.31	-3.44
1,200.0	8.96	138.20	1,195.7	-55.1	41.9	69.2	0.23	-0.13	1.25
1,231.0	9.00	138.20	1,226.4	-58.8	45.1	74.1	0.13	0.13	0.00
1,263.0	9.00	136.90	1,258.0	-62.4	48.5	79.0	0.64	0.00	-4.06
1,295.0	9.00	136.73	1,289.6	-66.1	51.9	84.0	0.08	0.00	-0.53
1,326.0	8.80	137.80	1,320.2	-69.6	55.2	88.8	0.84	-0.65	3.45
1,358.0	8.70	135.60	1,351.8	-73.2	58.5	93.7	1.09	-0.31	-6.88
1,390.0	8.70	136.20	1,383.5	-76.6	61.9	98.5	0.28	0.00	1.88
1,421.0	8.80	137.20	1,414.1	-80.1	65.1	103.2	0.59	0.32	3.23
1,453.0	8.70	139.50	1,445.7	-83.7	68.3	108.1	1.14	-0.31	7.19
1,485.0	8.80	140.80	1,477.3	-87.4	71.5	112.9	0.69	0.31	4.06
1,517.0	9.10	142.00	1,509.0	-91.3	74.6	117.9	1.10	0.94	3.75
1,548.0	9.50	142.80	1,539.5	-95.3	77.6	122.9	1.36	1.29	2.58
1,580.0	9.40	144.10	1,571.1	-99.5	80.7	128.2	0.74	-0.31	4.06
1,612.0	9.30	143.20	1,602.7	-103.7	83.8	133.4	0.55	-0.31	-2.81
1,644.0	9.67	141.90	1,634.3	-107.9	87.0	138.6	1.34	1.16	-4.06
1,675.0	9.40	141.60	1,664.8	-111.9	90.2	143.8	0.89	-0.87	-0.97
1,707.0	9.20	141.20	1,696.4	-116.0	93.4	148.9	0.66	-0.63	-1.25
1,738.0	8.90	141.70	1,727.0	-119.8	96.5	153.8	1.00	-0.97	1.61
1,770.0	8.40	140.90	1,758.7	-123.5	99.5	158.6	1.61	-1.56	-2.50
1,802.0	8.30	141.00	1,790.3	-127.1	102.4	163.3	0.32	-0.31	0.31
1,834.0	8.10	141.80	1,822.0	-130.7	105.3	167.8	0.72	-0.63	2.50
1,865.0	8.40	141.00	1,852.7	-134.2	108.0	172.3	1.04	0.97	-2.58
1,897.0	8.50	141.50	1,884.3	-137.9	111.0	177.0	0.39	0.31	1.56
1,929.0	8.40	140.80	1,916.0	-141.5	113.9	181.7	0.45	-0.31	-2.19
1,960.0	8.60	140.60	1,946.6	-145.1	116.8	186.3	0.65	0.65	-0.65
1,992.0	8.60	140.70	1,978.3	-148.8	119.9	191.0	0.05	0.00	0.31
2,023.0	8.30	142.80	2,008.9	-152.3	122.7	195.6	1.39	-0.97	6.77
2,055.0	8.10	143.90	2,040.6	-156.0	125.4	200.2	0.79	-0.63	3.44
2,087.0	8.00	143.00	2,072.3	-159.6	128.1	204.6	0.50	-0.31	-2.81
2,119.0	8.20	142.50	2,104.0	-163.2	130.8	209.1	0.66	0.63	-1.56
2,150.0	8.50	141.80	2,134.6	-166.7	133.6	213.7	1.02	0.97	-2.26
2,182.0	8.50	140.60	2,166.3	-170.4	136.5	218.4	0.55	0.00	-3.75
2,214.0	8.40	140.50	2,197.9	-174.1	139.5	223.1	0.32	-0.31	-0.31
2,246.0	8.40	140.50	2,229.6	-177.7	142.5	227.8	0.00	0.00	0.00
2,277.0	8.40	141.10	2,260.3	-181.2	145.4	232.3	0.28	0.00	1.94
2,309.0	8.70	138.90	2,291.9	-184.8	148.4	237.0	1.39	0.94	-6.88
2,341.0	9.30	135.50	2,323.5	-188.5	151.8	242.0	2.50	1.88	-10.63
2,372.0	9.60	136.80	2,354.1	-192.2	155.3	247.1	1.19	0.97	4.19
2,404.0	9.50	137.50	2,385.7	-196.1	159.0	252.4	0.48	-0.31	2.19
2,436.0	9.40	139.00	2,417.2	-200.0	162.5	257.6	0.83	-0.31	4.69

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well K-2-9-15
Project:	USGS Myton SW (UT)	**TVD Reference:**	K-2-9-15 @ 5979.0ft (Newfield Rig)
Site:	SECTION 2 T9, R15	**MD Reference:**	K-2-9-15 @ 5979.0ft (Newfield Rig)
Well:	K-2-9-15	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,467.0	9.60	140.00	2,447.8	-203.9	165.8	262.8	0.84	0.65	3.23
2,499.0	9.60	141.79	2,479.3	-208.0	169.1	268.1	0.93	0.00	5.59
2,531.0	9.80	143.90	2,510.9	-212.3	172.4	273.5	1.27	0.63	6.59
2,562.0	10.00	145.50	2,541.4	-216.7	175.5	278.8	1.10	0.65	5.16
2,594.0	9.84	146.53	2,573.0	-221.2	178.6	284.3	0.75	-0.50	3.22
2,626.0	10.10	148.30	2,604.5	-225.9	181.5	289.8	1.26	0.81	5.53
2,658.0	10.20	146.80	2,636.0	-230.6	184.6	295.4	0.88	0.31	-4.69
2,690.0	9.90	144.90	2,667.5	-235.3	187.7	301.0	1.40	-0.94	-5.94
2,722.0	9.90	142.10	2,699.0	-239.7	191.0	306.5	1.50	0.00	-8.75
2,753.0	9.90	141.10	2,729.5	-243.9	194.3	311.8	0.55	0.00	-3.23
2,785.0	9.60	141.10	2,761.1	-248.1	197.7	317.2	0.94	-0.94	0.00
2,817.0	9.40	140.60	2,792.6	-252.2	201.0	322.5	0.68	-0.63	-1.56
2,848.0	9.10	140.40	2,823.2	-256.0	204.2	327.5	0.97	-0.97	-0.65
2,880.0	8.90	141.10	2,854.8	-259.9	207.4	332.5	0.71	-0.63	2.19
2,912.0	9.00	141.20	2,886.5	-263.8	210.5	337.5	0.32	0.31	0.31
2,944.0	9.10	140.60	2,918.1	-267.7	213.7	342.5	0.43	0.31	-1.88
2,975.0	9.00	140.20	2,948.7	-271.4	216.8	347.4	0.38	-0.32	-1.29
3,007.0	8.80	137.90	2,980.3	-275.2	220.0	352.3	1.28	-0.63	-7.19
3,039.0	8.70	138.00	3,011.9	-278.8	223.3	357.2	0.32	-0.31	0.31
3,070.0	8.60	137.90	3,042.6	-282.3	226.4	361.8	0.33	-0.32	-0.32
3,102.0	8.30	139.60	3,074.2	-285.8	229.5	366.5	1.22	-0.94	5.31
3,134.0	8.90	139.40	3,105.8	-289.4	232.6	371.3	1.88	1.88	-0.63
3,166.0	9.40	141.70	3,137.4	-293.4	235.8	376.4	1.94	1.56	7.19
3,197.0	9.30	142.10	3,168.0	-297.3	238.9	381.4	0.38	-0.32	1.29
3,229.0	9.30	143.30	3,199.6	-301.4	242.1	386.6	0.61	0.00	3.75
3,261.0	8.80	140.50	3,231.2	-305.4	245.2	391.6	2.08	-1.56	-8.75
3,292.0	8.80	141.10	3,261.8	-309.1	248.2	396.4	0.30	0.00	1.94
3,324.0	9.30	141.60	3,293.4	-313.0	251.3	401.4	1.58	1.56	1.56
3,356.0	9.80	141.80	3,325.0	-317.2	254.6	406.7	1.57	1.56	0.63
3,388.0	9.70	141.90	3,356.5	-321.4	258.0	412.1	0.32	-0.31	0.31
3,419.0	10.40	142.00	3,387.1	-325.7	261.3	417.5	2.26	2.26	0.32
3,451.0	10.50	142.60	3,418.5	-330.3	264.8	423.4	0.46	0.31	1.88
3,483.0	10.20	143.10	3,450.0	-334.9	268.3	429.1	0.98	-0.94	1.56
3,515.0	10.10	142.10	3,481.5	-339.4	271.7	434.7	0.63	-0.31	-3.13
3,546.0	10.00	142.20	3,512.0	-343.6	275.1	440.1	0.33	-0.32	0.32
3,578.0	10.00	143.70	3,543.6	-348.1	278.4	445.7	0.81	0.00	4.69
3,610.0	10.02	145.13	3,575.1	-352.6	281.6	451.3	0.78	0.06	4.47
3,641.0	10.10	144.40	3,605.6	-357.0	284.8	456.7	0.49	0.26	-2.35
3,671.0	10.00	144.00	3,635.1	-361.2	287.8	461.9	0.41	-0.33	-1.33
3,703.0	9.93	143.10	3,666.6	-365.7	291.1	467.4	0.53	-0.22	-2.81
3,734.0	10.30	141.10	3,697.2	-370.0	294.5	472.9	1.65	1.19	-6.45
3,766.0	10.10	141.00	3,728.7	-374.4	298.0	478.5	0.63	-0.63	-0.31
3,797.0	9.80	140.00	3,759.2	-378.5	301.4	483.9	1.12	-0.97	-3.23
3,830.0	9.83	140.01	3,791.7	-382.8	305.0	489.5	0.09	0.09	0.03
3,861.0	9.80	139.80	3,822.3	-386.9	308.4	494.8	0.15	-0.10	-0.68
3,893.0	9.70	139.00	3,853.8	-391.0	312.0	500.2	0.53	-0.31	-2.50
3,925.0	9.70	139.20	3,885.3	-395.1	315.5	505.6	0.11	0.00	0.63
3,957.0	9.70	139.50	3,916.9	-399.2	319.0	511.0	0.16	0.00	0.94
3,989.0	9.80	140.50	3,948.4	-403.3	322.5	516.4	0.61	0.31	3.13
4,020.0	10.00	141.30	3,979.0	-407.5	325.9	521.7	0.78	0.65	2.58
4,051.0	10.10	142.80	4,009.5	-411.7	329.2	527.1	0.90	0.32	4.84
4,083.0	10.40	142.50	4,041.0	-416.3	332.6	532.8	0.95	0.94	-0.94
4,115.0	10.50	143.30	4,072.4	-420.9	336.1	538.6	0.55	0.31	2.50
4,146.0	10.40	142.70	4,102.9	-425.4	339.5	544.3	0.48	-0.32	-1.94

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well K-2-9-15
Project:	USGS Myton SW (UT)	**TVD Reference:**	K-2-9-15 @ 5979.0ft (Newfield Rig)
Site:	SECTION 2 T9, R15	**MD Reference:**	K-2-9-15 @ 5979.0ft (Newfield Rig)
Well:	K-2-9-15	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,178.0	10.40	142.18	4,134.4	-429.9	343.0	550.0	0.29	0.00	-1.63
4,210.0	10.06	141.70	4,165.9	-434.4	346.5	555.7	1.10	-1.06	-1.50
4,241.0	10.20	141.00	4,196.4	-438.7	350.0	561.2	0.60	0.45	-2.26
4,273.0	10.02	140.70	4,227.9	-443.0	353.5	566.8	0.59	-0.56	-0.94
4,305.0	9.90	141.80	4,259.4	-447.4	357.0	572.3	0.70	-0.38	3.44
4,336.0	9.58	142.58	4,290.0	-451.5	360.2	577.6	1.12	-1.03	2.52
4,368.0	9.80	142.30	4,321.5	-455.8	363.5	582.9	0.70	0.69	-0.88
4,400.0	9.98	142.88	4,353.0	-460.1	366.8	588.4	0.64	0.56	1.81
4,431.0	9.98	142.00	4,383.6	-464.4	370.1	593.8	0.49	0.00	-2.84
4,463.0	9.54	141.30	4,415.1	-468.6	373.4	599.2	1.42	-1.38	-2.19
4,495.0	9.30	138.80	4,446.7	-472.7	376.8	604.5	1.48	-0.75	-7.81
4,527.0	9.60	137.70	4,478.2	-476.6	380.3	609.7	1.09	0.94	-3.44
4,558.0	9.70	137.00	4,508.8	-480.4	383.8	614.9	0.50	0.32	-2.26
4,590.0	9.70	136.90	4,540.4	-484.3	387.5	620.3	0.05	0.00	-0.31
4,621.0	9.98	137.22	4,570.9	-488.2	391.1	625.6	0.92	0.90	1.03
4,653.0	10.00	139.40	4,602.4	-492.4	394.8	631.1	1.18	0.06	6.81
4,684.0	9.50	140.03	4,633.0	-496.4	398.2	636.4	1.65	-1.61	2.03
4,716.0	9.10	138.60	4,664.5	-500.3	401.6	641.5	1.44	-1.25	-4.47
4,747.0	9.00	138.71	4,695.2	-504.0	404.8	646.4	0.33	-0.32	0.35
4,779.0	8.90	140.20	4,726.8	-507.7	408.0	651.4	0.79	-0.31	4.66
4,811.0	9.10	142.50	4,758.4	-511.6	411.2	656.4	1.29	0.63	7.19
4,843.0	9.20	143.15	4,790.0	-515.7	414.2	661.5	0.45	0.31	2.03
4,874.0	9.10	143.90	4,820.6	-519.7	417.2	666.4	0.50	-0.32	2.42
4,906.0	9.10	143.90	4,852.2	-523.8	420.1	671.4	0.00	0.00	0.00
4,938.0	9.00	144.70	4,883.8	-527.8	423.1	676.5	0.50	-0.31	2.50
4,970.0	8.60	144.60	4,915.4	-531.8	425.9	681.4	1.25	-1.25	-0.31
5,001.0	8.50	143.80	4,946.0	-535.6	428.6	686.0	0.50	-0.32	-2.58
5,033.0	8.90	145.08	4,977.7	-539.5	431.4	690.8	1.39	1.25	4.00
5,065.0	9.10	147.50	5,009.3	-543.7	434.2	695.8	1.34	0.63	7.56
5,096.0	9.00	145.96	5,039.9	-547.7	436.9	700.6	0.85	-0.32	-4.97
5,128.0	8.80	145.80	5,071.5	-551.8	439.6	705.6	0.63	-0.63	-0.50
5,160.0	8.70	143.94	5,103.1	-555.8	442.4	710.4	0.94	-0.31	-5.81
5,191.0	9.00	141.00	5,133.8	-559.6	445.4	715.2	1.75	0.97	-9.48
5,223.0	9.00	139.72	5,165.4	-563.5	448.5	720.2	0.63	0.00	-4.00
5,255.0	8.90	140.20	5,197.0	-567.3	451.7	725.2	0.39	-0.31	1.50
5,287.0	8.83	139.98	5,228.6	-571.1	454.9	730.1	0.24	-0.22	-0.69
5,318.0	8.70	138.70	5,259.2	-574.6	458.0	734.8	0.76	-0.42	-4.13
5,350.0	9.00	138.80	5,290.9	-578.3	461.2	739.7	0.94	0.94	0.31
5,382.0	9.30	140.00	5,322.5	-582.2	464.5	744.8	1.11	0.94	3.75
5,415.0	9.40	141.90	5,355.0	-586.4	467.9	750.2	0.98	0.30	5.76
5,447.0	9.36	141.79	5,386.6	-590.5	471.1	755.4	0.14	-0.13	-0.34
5,479.0	9.40	142.30	5,418.2	-594.6	474.4	760.6	0.29	0.13	1.59
5,511.0	9.20	144.50	5,449.7	-598.7	477.4	765.8	1.27	-0.63	6.88
5,543.0	9.05	143.15	5,481.3	-602.8	480.4	770.8	0.82	-0.47	-4.22
5,574.0	9.00	140.50	5,512.0	-606.7	483.4	775.7	1.35	-0.16	-8.55
5,606.0	9.14	137.26	5,543.6	-610.4	486.8	780.7	1.65	0.44	-10.13
5,638.0	8.90	135.20	5,575.2	-614.1	490.2	785.7	1.26	-0.75	-6.44
5,669.0	8.40	133.30	5,605.8	-617.3	493.6	790.4	1.86	-1.61	-6.13
5,701.0	8.40	132.40	5,637.5	-620.5	497.0	795.0	0.41	0.00	-2.81
5,733.0	8.20	136.10	5,669.1	-623.7	500.3	799.6	1.78	-0.63	11.56
5,764.0	8.40	139.00	5,699.8	-627.0	503.3	804.0	1.50	0.65	9.35
5,796.0	9.00	139.50	5,731.4	-630.7	506.5	808.9	1.89	1.88	1.56
5,827.0	9.40	138.20	5,762.0	-634.4	509.7	813.8	1.45	1.29	-4.19
5,859.0	9.80	137.00	5,793.6	-638.4	513.3	819.2	1.40	1.25	-3.75

NEWFIELD

PayZone Directional Services, LLC.

Survey Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well K-2-9-15
Project:	USGS Myton SW (UT)	**TVD Reference:**	K-2-9-15 @ 5979.0ft (Newfield Rig)
Site:	SECTION 2 T9, R15	**MD Reference:**	K-2-9-15 @ 5979.0ft (Newfield Rig)
Well:	K-2-9-15	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,891.0	10.15	136.95	5,825.1	-642.4	517.1	824.7	1.09	1.09	-0.16
5,923.0	10.24	137.30	5,856.6	-646.6	521.0	830.3	0.34	0.28	1.09
5,954.0	9.84	137.17	5,887.1	-650.5	524.6	835.7	1.29	-1.29	-0.42
5,986.0	9.99	138.16	5,918.6	-654.6	528.3	841.2	0.71	0.47	3.09
6,018.0	8.00	140.00	5,950.3	-658.4	531.6	846.2	6.28	-6.22	5.75
6,050.0	9.62	140.25	5,981.9	-662.1	534.8	851.1	5.06	5.06	0.78
6,081.0	9.32	140.99	6,012.5	-666.1	538.0	856.2	1.04	-0.97	2.39
6,113.0	8.96	141.52	6,044.0	-670.1	541.2	861.3	1.16	-1.13	1.66
6,144.0	8.53	142.97	6,074.7	-673.8	544.1	866.0	1.56	-1.39	4.68
6,176.0	8.04	144.16	6,106.4	-677.5	546.8	870.6	1.62	-1.53	3.72
6,208.0	7.60	144.80	6,138.1	-681.0	549.3	875.0	1.40	-1.38	2.00
6,240.0	7.10	146.40	6,169.8	-684.4	551.7	879.1	1.69	-1.56	5.00
6,260.0	7.17	145.17	6,189.7	-686.5	553.1	881.5	0.84	0.35	-6.13
K-2-9-15 NO GO									
6,271.0	7.21	144.51	6,200.5	-687.6	553.9	882.9	0.84	0.36	-6.04
6,303.0	7.16	144.17	6,232.3	-690.8	556.2	886.9	0.21	-0.16	-1.06
6,317.0	7.00	144.38	6,246.2	-692.2	557.2	888.6	1.16	-1.14	1.50
6,369.0	7.00	144.38	6,297.8	-697.4	560.9	895.0	0.00	0.00	0.00
K-2-9-15 BHL									

Wellbore Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
K-2-9-15 NO GO	0.00	0.00	6,300.0	0.0	0.0	7,193,906.26	2,006,427.62	40° 3' 42.440 N	110° 11' 32.030 W
- actual wellpath misses by 888.4ft at 6260.0ft MD (6189.7 TVD, -686.5 N, 553.1 E)									
- Polygon									
Point 1			6,300.0	-484.2	652.2	7,193,422.06	2,007,079.82		
Point 2			6,300.0	-884.2	652.2	7,193,022.06	2,007,079.82		
Point 3			6,300.0	-484.2	652.2	7,193,422.06	2,007,079.82		
K-2-9-15 BHL	0.00	0.00	6,300.0	-684.2	552.2	7,193,222.11	2,006,979.86	40° 3' 35.599 N	110° 11' 25.056 W
- actual wellpath misses by 16.0ft at 6369.0ft MD (6297.8 TVD, -697.4 N, 560.9 E)									
- Circle (radius 75.0)									

Checked By: _____ Approved By: _____ Date: _____

NEWFIELD

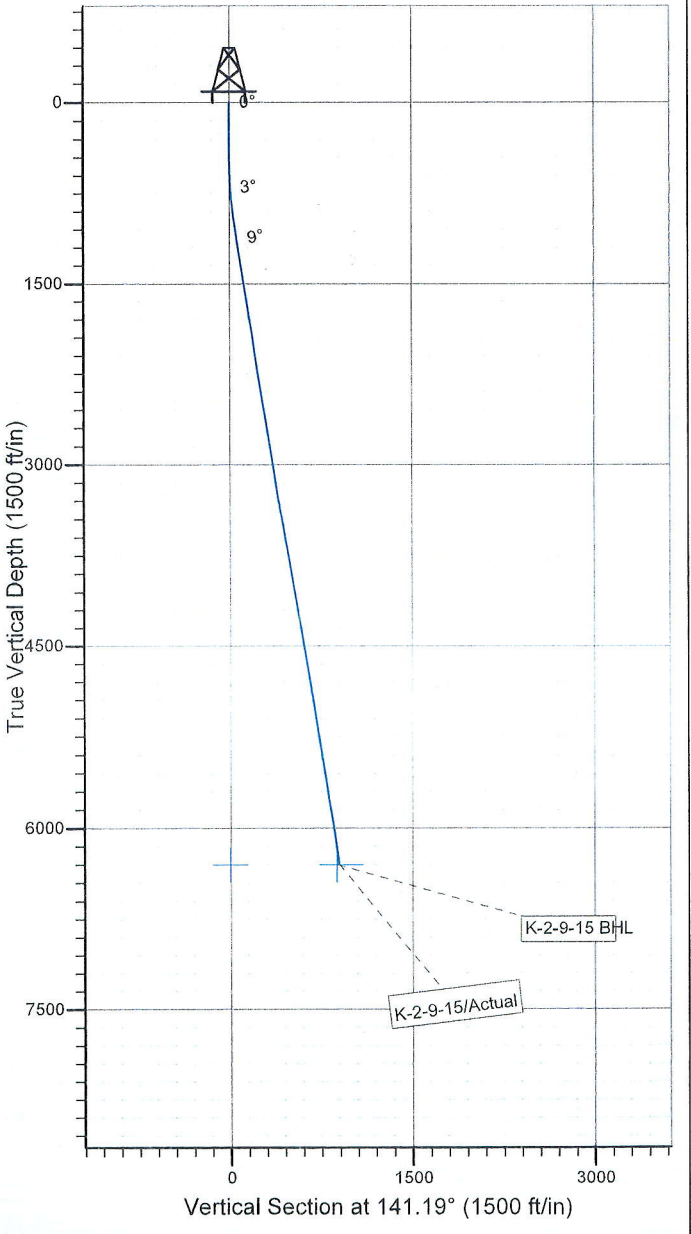
Project: USGS Myton SW (UT)
Site: SECTION 2 T9, R15
Well: K-2-9-15
Wellbore: Wellbore #1
SURVEY: Actual

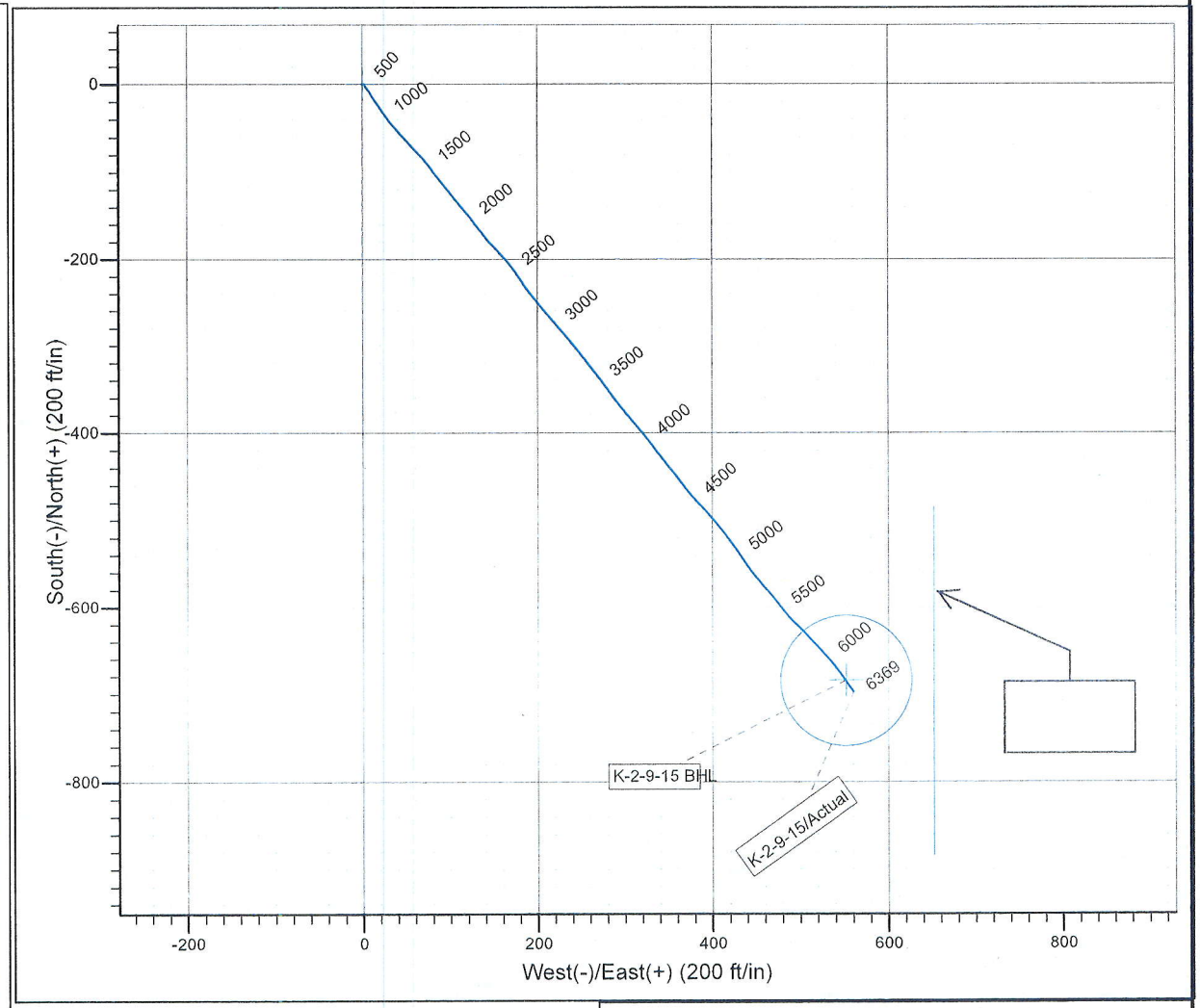
FINAL SURVEY REPORT

T G M

Azimuths to Grid North
True North: -0.84°
Magnetic North: 10.56°

Magnetic Field
Strength: 52282.3snT
Dip Angle: 65.79°
Date: 2011/03/15
Model: IGRF2010





PAYZONE DIRECTIONAL

Design: Actual (K-2-9-15/Wellbore #1)

Created By: Sarah Webb Date: 19:57, May 24 2011

THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

Daily Activity Report

Format For Sundry

GMBU K-2-9-15

3/1/2011 To 7/30/2011

GMBU K-2-9-15 **Waiting on Cement**
Date: 5/11/2011
Ross #29 at 385. Days Since Spud - On 5/10/11 Ross #29 spud and drilled 385' of 12 1/4" hole, P/U and run 9 jts of 8 5/8" casing set - 387.97'KB. On 5/11/11 cement w/BJ w/190 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17 - yield. Returned 8bbls to pit, bump plug to 413psi, BLM and State were notified of spud via email.
Daily Cost: $0
Cumulative Cost: $61,236

GMBU K-2-9-15 **Drill 7 7/8" hole with fresh water**
Date: 5/17/2011
NDSI #2 at 902. 1 Days Since Spud - On 5/16/2011 MIRU set all equipment w/Liddell trucking. (4 miles from the State 4-36-8-15) - Index sub 2.11', pony sub 5.28' and 6 HWDP. Tag at 344'. - Drill 7-7/8" hole from 344' to 902' with 10,000 lbs WOB, 160 total RPM, 400 GPM, 101.45 fph ROP - 24hr notice sent to state via email on 5/15/2011 of rig move on 5/16/2011 at 7:00 am and BOP test - at 1500 - P/U BHA as follows; Hughes Q506F drill bit, Hunting Mud Motor 26.59' NMDC 31.08', Gap Sub 3.39', - blind rams, kill line, choke line and manifold. 2000 psi for ten minutes. Then the surfasce casing - 1500 psi for 30 minutes. All tests good. - Hold spud meeting and repair the Pason. - Accept rig on 5/16/2011 at 1630. R/U Quicktest. Test kelly, safety valve, pipe rams, inside valve,
Daily Cost: $0
Cumulative Cost: $89,467

GMBU K-2-9-15 **Drill 7 7/8" hole with fresh water**
Date: 5/18/2011
NDSI #2 at 3600. 2 Days Since Spud - Drill 7-7/8" hole from 2234' to 3600' with 10,000 lbs WOB, 160 total RPM, 400 GPM, 101 fph ROP - Drill 7-7/8" hole from 902' to 2234' with 10,000 lbs WOB, 160 total RPM, 400 GPM, 133.2 fph ROP - Rig service. Function test BOP and crown-o-matic
Daily Cost: $0
Cumulative Cost: $110,756

GMBU K-2-9-15 **Drill 7 7/8" hole with fresh water**
Date: 5/19/2011
NDSI #2 at 5372. 3 Days Since Spud - Rig service function test BOP and crown-o-matic - Drill 7-7/8" hole from 4198' to 5372' with 10,000 lbs WOB, 160 total RPM, 400 GPM, 63.5 fph ROP - Drill 7-7/8" hole from 3600' to 4198' with 10,000 lbs WOB, 160 total RPM, 400 GPM, 119.6 fph ROP
Daily Cost: $0
Cumulative Cost: $168,611

GMBU K-2-9-15 **Logging**
Date: 5/20/2011
NDSI #2 at 6369. 4 Days Since Spud - R/U PSI Log Well.With Triple Combo Logs Loggers TD 6369' - LDDP & BHA - LDDP To 4000' - Circ Hole For Laydown & Logs - @ 7:00 PM (Well Flowing 3 gal/min @ TD 6369' - Drill 7 7/8" Hole From 5879' To 6369' TD,WOB 20,000

lbs,TRPM 160,GPM 400,AVG ROP 75.3 fph,TD Well - Rig Service,Check Crown-A-Matic,Function Test Bop's, Well flowing 3 gal/min @ 5879' - Drill 7 7/8" Hole From 5372' To 5879',WOB 20,000 lbs,TRPM 160,GPM 400,Avg Rop 84.5 fph - Pump 260 bbls 10# Brine
Daily Cost: $0
Cumulative Cost: $190,066

GMBU K-2-9-15 **Wait on Completion**
Date: 5/21/2011
NDSI #2 at 6369. 5 Days Since Spud - No H2s Reported Last 24 Hrs - Clean Mud Tanks. - Nipple Down Bop's - cement pit Bumped Plug to 2037 psi. - (50:50:2+3%KCL+0.5%EC-1+.25#CF+.05#SF+.3SMS+FP-6L) Displaced with 150.9 bbls.Returned 40 bbls to - (PL-II +3%KCL+5#CSE+0.5#CF+5#KOL+.5SMS+FP+SF) Then 400 sks tail cement @14.4 ppg and 1.24 yield. - Released Rig @ 8:30 PM 5/20/11 Don Bastian - R/U BJ Cement Head Circ Casing with Rig Pump.Land Cameron Mandrel. - 6368',Float Collar @ 6339. 3jts will be transferred to Next Well (GMBU W-2-9-15) - Held Safety With Marcus Liddell Casing Crew,R/U Run 151 jts 5.5",J-55,15.5# LT&C Casing, Shoe Set @ - Tested Ok - Safety Meeting With B&C Quick Test.R/U B&C Quick Test,Test 5 1/2" Pipe Rams to 2000 psi for 10 mins - Log With Phoenix Surveys - Held Safety Meeting W/ BJ Services,Test Lines to 4000 psi.Pump 280sks lead cement @ 11ppg &3.53yield **Finalized**
Daily Cost: $0
Cumulative Cost: $347,943

Pertinent Files: Go to File List

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-43538

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: GMBU K-2-9-15

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013506510000

3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 2000 , Denver, CO, 80202

PHONE NUMBER: 303 382-4443 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1976 FNL 0644 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 02 Township: 09.0S Range: 15.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 6/24/2013	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Site Facility/Site Security

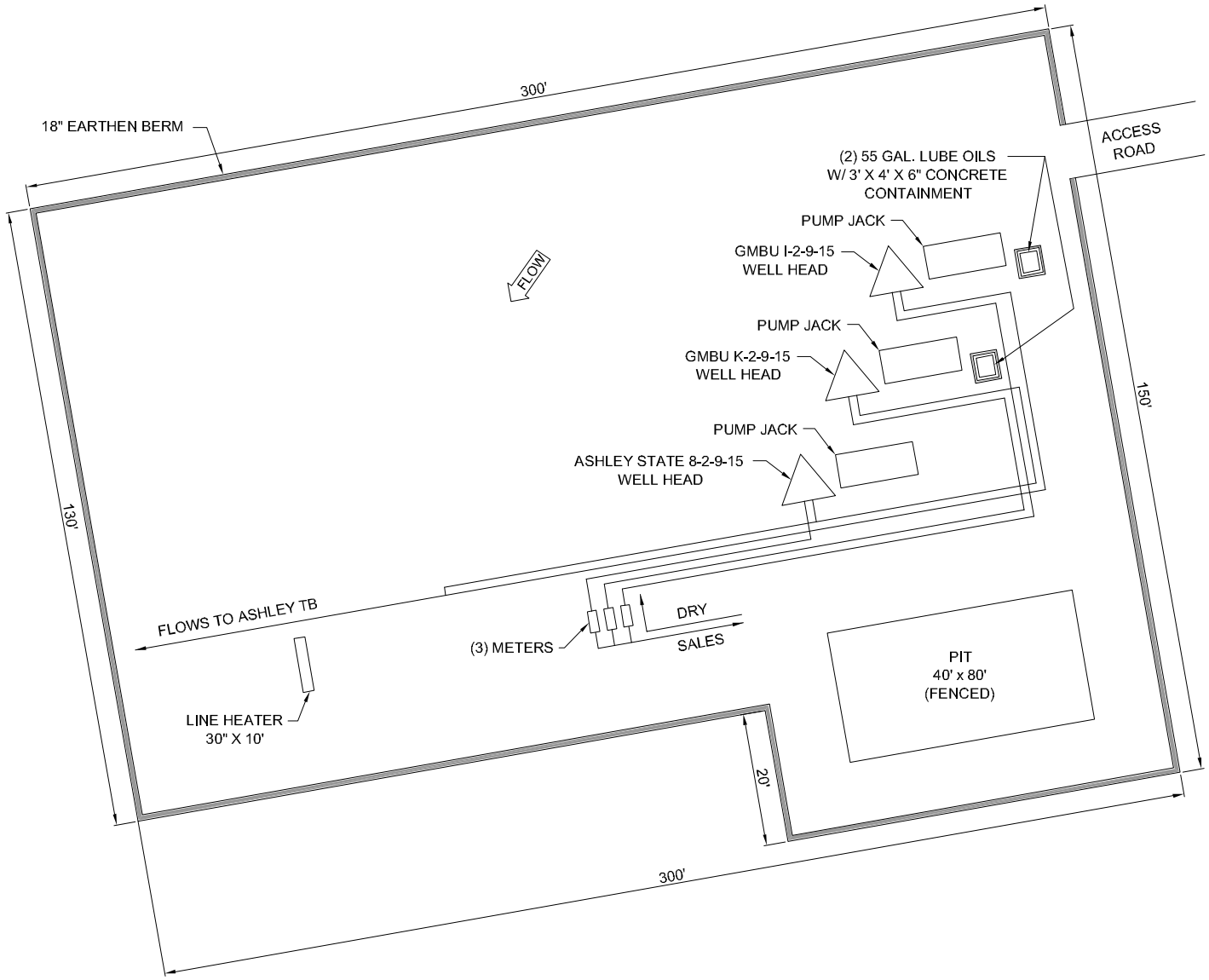
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

SEE ATTACHED REVISED SITE FACILITY DIAGRAM

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
August 09, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jill L Loyle	303 383-4135	Regulatory Technician
SIGNATURE N/A		**DATE** 6/24/2013

RECEIVED: Jun. 24, 2013



POSITION OF VALVES AND USE OF SEALS DURING PRODUCTION			
Valve	Line Purpose	Position	Seal Installed
D	Drain	Closed	Yes
F	Oil, Gas, Water	Open	No
O	Overflow	Open/Closed	No
V	Vent	Open	No
R	Recycle	Closed	Yes
B	Blowdown	Open/Closed	No
S	Sales	Closed	Yes

POSITION OF VALVES AND USE OF SEALS DURING SALES			
Valve	Line Purpose	Position	Seal Installed
D	Drain	Closed	Yes
F	Oil, Gas, Water	Closed	Yes
O	Overflow	Closed	Yes
V	Vent	Open	No
R	Recycle	Closed	Yes
B	Blowdown	Closed	No
S	Sales	Open	No

Valve Type
D - Drain Valve
F - Flow Valve
O - Overflow
V - Vent
R - Recycle
B - Blow Down
S - Sales Valve

Federal Lease #: UTU-87538X

This lease is subject to the Site Security Plan for: Newfield Exploration Company 19 East Pine Street Pinedale, WY 82941

POSITION OF VALVES AND USE OF SEALS DURING WATER DRAIN			
Valve	Line Purpose	Position	Seal Installed
D	Drain	Open	No
F	Oil, Gas, Water	Closed	No
O	Overflow	Closed	No
V	Vent	Open	No
R	Recycle	Closed	Yes
B	Blowdown	Closed	No
S	Sales	Closed	Yes

ASHLEY STATE 8-2-9-15, GMBU I-2-9-15 AND GMBU K-2-9-15

Newfield Exploration Company
SENE Sec 2, T9S, R15E
Duchesne County, UT

M.G. | AUG 2012

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Note: This drawing represents approximate sizes and distances. Underground pipeline locations are also approximated.

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